



# NEWMAN COLLEGE THODUPUZHA

(Re-accredited by NACC with 'A' grade and affiliated to Mahatma Gandhi University, Kottayam)

Thodupuzha, Idukki (dist.), Kerala - 685 585, India

Tele/Fax: 04862 229797

Website : [www.newmancollege.ac.in](http://www.newmancollege.ac.in)

Email: [principal@newmancollege.ac.in](mailto:principal@newmancollege.ac.in)

NEWMAN COLLEGE, THODUPUZHA -SELF STUDY REPORT- MARCH 2015



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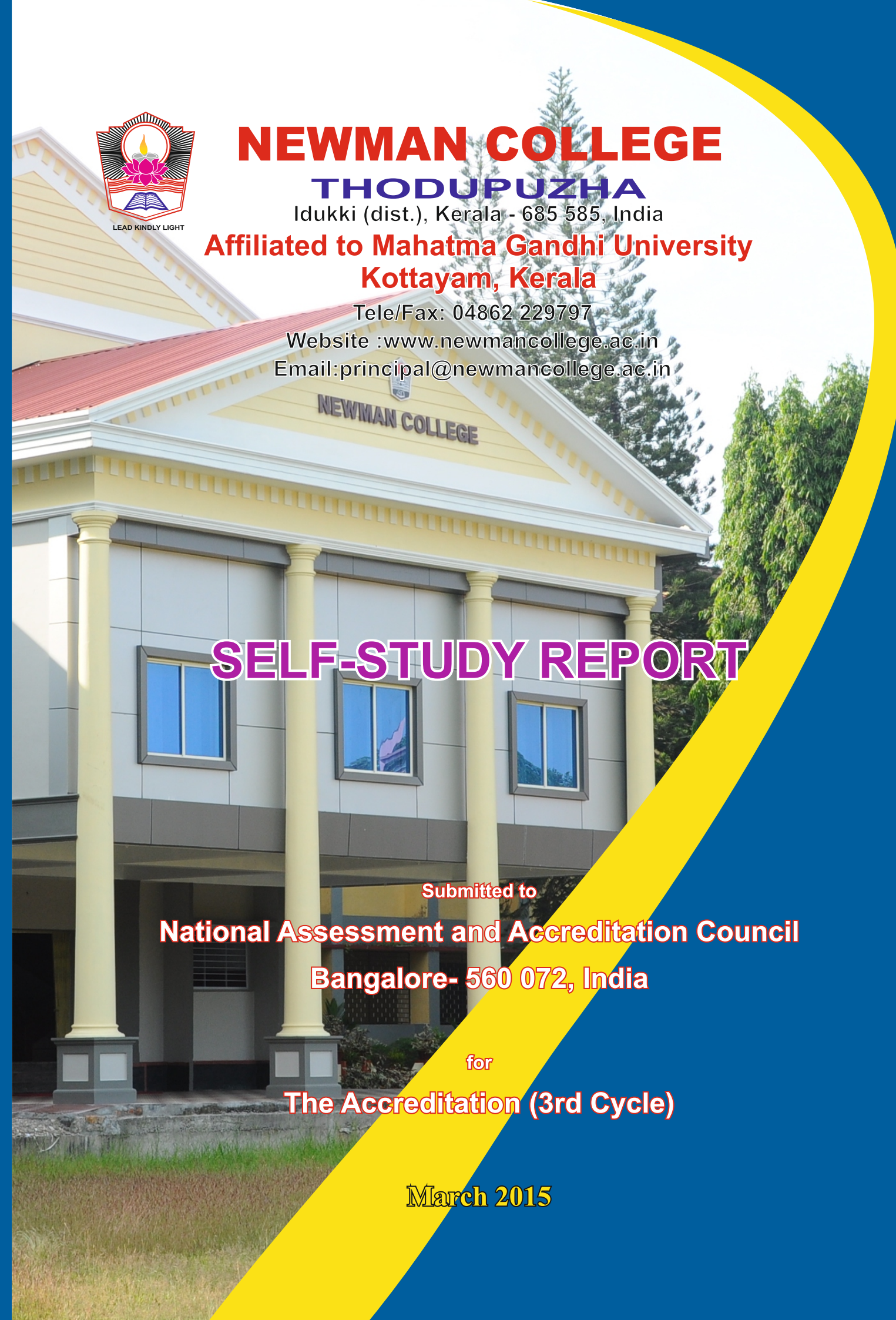
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## SELF-STUDY REPORT

Submitted to

**National Assessment and Accreditation Council**

**Bangalore- 560 072, India**

for

**The Accreditation (3rd Cycle)**

**March 2015**





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## MISSION

- Academic Excellence
- Spiritual Vitality
- Social Concern

## VISION

- Trust in God
- Integrity of Character
- Social Commitment
- Pursuit of Excellence

<b>CONTENTS</b>	
	<b>Page No.</b>
<b>1. Preface</b>	<b>3</b>
<b>2. Executive Summary</b>	<b>9</b>
<b>3. SWOC Analysis</b>	<b>15</b>
<b>4. Profile of the College</b>	<b>27</b>
<b>Criteria Wise Inputs</b>	
<b>5. Criterion I : Curricular Aspects</b>	<b>41</b>
<b>6. Criterion II: Teaching-Learning and Evaluation</b>	<b>57</b>
<b>7. Criterion III: Research, Consultancy and Extension</b>	<b>103</b>
<b>8. Criterion IV: Infrastructure and Learning Resources</b>	<b>189</b>
<b>9. Criterion V: Student Support and Progression</b>	<b>201</b>
<b>10. Criterion VI: Governance, Leadership and Management</b>	<b>231</b>
<b>11. Criterion VII: Innovations and Best Practices</b>	<b>241</b>
<b>12. Evaluative Report of Departments</b>	<b>249</b>
<b>13. Post Accreditation Initiatives</b>	<b>317</b>
<b>14. Declaration by the Principal</b>	<b>327</b>
<b>15. Certificate of Compliance</b>	<b>329</b>





## **PREFACE**

Newman College, Thodupuzha is now fifty years old and the Golden Jubilee Celebrations have just concluded. The year long celebrations had seen a plethora of activities with a call for ‘Rejoicing, Rethinking and Rejuvenating’. I personally believe that these three objectives have been met with a reasonable degree of success.

On the sidelines of the jubilee celebrations, the college community has been preparing itself for the third cycle of accreditation by the National Assessment and Accreditation Council (NAAC). The Internal Quality Assurance Cell (IQAC) of the college has been in the field, grooming the ground for the third cycle of accreditation ever since the college was reaccredited at ‘A’ grade in 2007. Its focus is on ushering in a positive and qualitative change in the delivery of academic services in the college.

The college is now a centre of higher learning in Idukki district with 12 undergraduate programmes, seven post-graduate programmes, two research programmes, five certificate programmes and three diploma programmes. In 2014, the UGC added one more dimension to its educational profile by sanctioning a Community College with two diploma courses. The Community College scheme is of great help to the society as it provides skill based training to those who aspire to join the workforce without obtaining a rather prolonged university degree.

Named after John Henry Cardinal Newman, the greatest educational visionary of all times, the college is the oldest institution of higher learning in

the district of Idukki. The college has played a pivotal role in the socio-economic development of the high ranges of Kerala. The forefathers of the college had envisioned the delivery of quality education wedded with spiritual values to the emerging young population of the region.

The college has 68 regular faculty members in various disciplines of whom 26 are Ph.D holders. The college has student strength of 1744 as on 01 March 2015. The college has tied up with the Ford Foundation, USA; Department of Science and Technology, New Delhi; University Grants Commission; Indian Council of Social Science Research; Indira Gandhi National Open University (IGNOU); Inter - University Centre for Astronomy and Astrophysics, Pune; Indian Institute of Science and Religion, Pune; Kerala State Council for Science, Technology and Environment; Kerala State Higher Education Council; Kerala Institute of Parliamentary Studies; Kerala Sangeet Natak Academi, Kerala Folklore Academy, Gandhiji Study Centre, Thodupuzha; Centre for Rural Management Kottayam, and Kudumbasree Mission, Idukki District for undertaking various projects and programmes on the campus.

The college has a web-enabled Central Library with over 49000 titles in various disciplines. The Library is linked to the UGC sponsored INFLIBNET, enabling on-line access to over 2500 national and international research journals. The college is regularly publishing three academic journals with ISSN numbers. As many as 29 research projects are being carried out by our faculty members. The faculties have authored 16 books and more than 155 research papers in international and national journals. The college regularly conducts ten memorial/ endowment lectures every year and eight inter-disciplinary seminars and over 20 invited talks by experts, on an average.

The college has become a role model in the extension activities. The *Sastragramam* project is an initiative of the college to inculcate scientific



temper in the villages and enthuse young minds in the pursuit of science. Our faculty have visited villages in the district, interacted with school children and elders and spread the message of environmental protection, energy saving, no-use of plastic, organic farming etc. We also organise awareness and training programmes for the benefit of parents, civil society activists and elected representatives in the local bodies on a regular basis. The dynamic units of Centre for Women Empowerment and the UGC sponsored Centre for Gandhian Studies are in the forefront of such extension activities. The DRC testing facility offered by the Department of Chemistry is of great help to the farmers in the neighbourhood. The ten day long *Karshikamela* (agricultural fair) organized on the campus every December is a huge event as thousands of farmers throng the campus in search of agricultural knowledge. The Department of English regularly organises short term English communication and soft skill development programmes for High School students in the surroundings. The other clubs/ associations in the college conduct inter-school or inter-collegiate competitions in the fields of Quiz, Elocution, Debate, Poster Designing, Light Music and Patriotic Song. The Career and Counselling Cell, the Placement Cell, the UGC-NET Coaching Centre and the Remedial Coaching Centre provide necessary orientation and training to students to develop a better outlook. The Equal Opportunity Centre, sponsored by the UGC, is established to integrate the socially marginalised students with the mainstream. The National Service Scheme, National Cadet Corps, Debating Club, Quiz Club, Catholic Students Movement, Farm Club, *Bhoomithra Sena*, Film and Dramatic Club and Road Safety Club are very active in channelising the creative sparks of the students.

The students have been consistently contributing to the ethos of the college through their outstanding performance in the University Youth Festivals, Sports, Games and intellectual pursuits. They maintain high standards in University examinations with occasional ranks and distinctions.

The college gives due importance to the wholesome development of the human personality. In this perspective, we have facilities for computer training, yoga practicing, body building and spiritual renewal. The practice of reaching out to the entire college community through the public address system, and educating on topics of common interest on a daily basis for five minutes is a great opportunity for students to learn something beyond their prescribed syllabus. The recreational facilities like department day celebrations, inter-departmental competitions, *Onam* and *Christmas* celebrations and food festival are the means of unearthing the best talents hidden in each student.

The UGC has given substantial financial support under UG and PG assistance and merged schemes during XI plan period. All our Science departments have been selected for the FIST scheme of the DST which enabled us to provide modern equipment in our laboratories. Our Career Guidance and Placement Cell is very active and has been successful in securing maximum campus placements for our students. Our Alumni Association is also very active with many innovative programmes.

On infrastructural front, the college has state of the art facilities. It has four air-conditioned conference halls, nearly 150 computers with peripherals, six photocopying machines, 16 DLP projectors, four refrigerators, digital duplicator and inter-active board, among others. The English language laboratory named, "Msgr. Palamattam Centre for English Communication" with 30 web enabled computers is a centre for training students in the use of correct English. The Ladies' Hostel, Cafeteria, Post Office, M.G. University Study Centre, M.G. University Information Centre, IGNOU Study Centre, Staff Co-operative Society, Electronic Equipment Maintenance Centre, Chapel, Counselling Centre, Bank, ATM Counter and Book Stall are the other facilities available on the campus. The college administration is assisted and advised by the Governing Body, Staff Council, Parent Teacher

Association, Alumni Association and the student representatives in its march ahead.

The emerging system of higher education demands increased importance to skill development in order to make our students more employable by acquiring necessary analytical and soft skills. Aptitude tests, group discussions, interviews, personality tests etc. have become essential components of any selection process. Hence students are encouraged to join clubs / associations for co-curricular activities and take maximum advantage of the facilities available. Let us develop a new culture of innovation and hard work with a firm desire and determination for achieving our goals. We have to be punctual and systematic, humble, sincere and honest. Let us nurture deep rooted values and faith in God along with an uncompromising search for truth, knowledge and excellence in all our endeavours.

As the institution prepares for the 3<sup>rd</sup> cycle of accreditation, we are proud to say that we have travelled miles and miles from the previous platform so much so that both the insiders and the outsiders feel alike that we are now treading a new world. The qualitative changes seen on the campus now are the result of concerted and dedicated efforts of the management, staff and students of this institution. The IQAC has always played a positive role in suggesting and implementing many qualitative changes on this campus. This report speaks for itself the extent of hard work and team spirit displayed by each member of the IQAC. I, sincerely, thank the co-ordinator and each member of IQAC for the commendable work they have done.

I wish this report the very best.

Dr. T.M. Joseph  
Principal





## **EXECUTIVE SUMMARY**

Established in 1964, Newman College, Thodupuzha is a first grade college affiliated to Mahatma Gandhi University, Kottayam. It is a minority Christian institution governed and managed by the Corporate Educational Agency, Syrian Catholic Diocese of Kothamangalam. Named after the great educational visionary, John Henry Cardinal Newman, the college is instituted to cater to the educational needs of not just the Catholics, but of all communities without discrimination of caste, creed, religion or other considerations. The college seeks to serve certain important social ideals. These include the inculcation of spiritual and moral values in students and imparting training in socially productive services intended to mould socially responsible citizens. The college is located at the doorstep of Idukki District in the Western Ghats. The campus is spread over 8.33 acres, and the total land area possessed by the college comes to 26 acres. It is an aided institution which also runs a few courses of the Indira Gandhi National Open University (IGNOU) through distance education mode. The college is recognised by UGC under sections 2(f) and 12 (b). The college was reaccredited by NAAC with 'A' grade in 2007 and since then, it has undergone several positive changes in terms of its services and facilities. The college now offers twelve undergraduate programmes, seven postgraduate programmes and two research programmes. The college also runs two diploma courses under the UGC sponsored Newman Community College and another diploma course by the Department of Continuing Education, Govt. of Kerala. The college also offers five career oriented add-on courses sponsored by the UGC. The college has a Study Centre and an Information Centre of the Mahatma Gandhi University.

The college has a qualified permanent teaching faculty strength of 68 out of whom 26 have Ph.D. and 12 have M.Phil. as their highest qualification.

There are 19 guest lecturers and two project fellows. There are also 23 members on the non-teaching staff. Eight members of the faculty serve on the Boards of Studies in various subjects in the Mahatma Gandhi University. Five teachers are approved Research Guides under the University. There are 11 Research Scholars doing Ph.D. under the supervision of our faculty members. The teachers have undertaken 29 Research Projects sanctioned by various agencies like U.G.C, Indian Council of Social Science Research (ICSSR) and Kerala Council for Science, Technology and Environment. Two Major Research Projects and Seven Minor Research Projects are completed and four Major and sixteen Minor Research Projects are ongoing. The teachers have an extensive list of publications in national and international journals. Some of them are invited occasionally to present research papers in national and international seminars and conferences. Ten memorial/endowment lectures are instituted in the college which provide invaluable opportunities to the students to access latest knowledge and interact with nationally acclaimed scholars. A series of seminars and workshops are conducted in the college. Some of its proceedings are published. The college publishes three academic journals; two of them are bi-annual.

The college has been selected by the Department of Science and Technology, Govt. of India, for financial assistance under its FIST programme with a budget outlay of Rs.90 lakh. The UGC sponsored Centre for Gandhian Studies is functioning in the college with the objective of spreading the ideals of Gandhi in the larger society. The UGC sponsored Equal Opportunity Centre takes care of the interests of the marginalised sections of the student community. The facilities for remedial teaching, entry into services and UGC NET coaching are also provided in the college to the benefit of many a student. The Career Guidance and Placement Cell is functioning in the College with special coaching programmes for Bank Tests and PSC Tests.



The student strength of the college in 2014-2015 is 1507 at UG level and 230 at PG level. Most of the students belong to middle and lower class families. The college follows the semester system for all its programmes. There is a well established tutorial system for the all-round development of students. The disadvantaged students are given remedial coaching. The new initiatives of the Kerala Government in higher education like Additional Skill Acquisition Programme (ASAP), Walk with the Scholar (WWS), and scholar Support Programme (SSP) are of great help to the students in strengthening their facilities. Co-curricular and extra curricular activities are also given adequate importance with that of curricular aspects. The computerised data management system maintained in the college enables one to have easy access to information regarding staff and students. The college has the privilege of a fully computerised central library with over 49000 volumes of books and 82 journals/periodicals. The services of the library are even extended to the general public. It also has four well furnished air conditioned conference halls, a smart class room, a well equipped language laboratory, two computer centres, sports grounds, multi purpose synthetic stadium, fitness centre, yoga training centre, ladies' hostel, canteen, career guidance and placement cell, counselling centre, chapel, auditorium, health club and all other basic facilities required for quality education. The campus also houses staff co-operative society, post office, book stall, bank and ATM Centre. The college is one among the very few educational institutions in Kerala to possess an Astronomical Observatory for itself.

The college administration is carried out in a transparent and democratic manner. The Governing Body and the Staff Council assist the Principal in carrying out the administration judiciously. The teachers comply with the academic calendar prepared by their respective departments. Each teacher is given a Teacher Performance Record (work diary) which helps them to plan their teaching programmes. The college reaches out to the public

through its programmes like DRC testing, soil testing, water testing and institutional mechanisms of Community College, NSS and NCC. The college regularly conducts a 10 day crash course in Communicative English called ‘Summer Showers’ in the midsummer vacation period every year for the 10<sup>th</sup> standard students of Malayalam medium schools from the neighbourhood. This programme is well received by the civil society. The College has also implemented a scheme called *Sasthramam* which envisages to take the fruits of developments in science and technology to the grassroot level. The college promotes the culture of sharing the bread with the poor. The students bring an additional lunch box and donate them to the inmates of a nearby orphanage.

The Internal Quality Assurance Cell (IQAC) sets the quality benchmarks for all its activities. It takes feedback from its stakeholders like students, parents and alumni and tries to better the quality and extent of our services. The IQAC has introduced some innovative practices in the college. One such practice is called ‘Zero Hour’ by which a new topic of contemporary relevance is introduced to the entire college community through the public address system for five minutes on a daily basis. It provides a platform to the students to learn something outside their regular syllabus. Another innovative practice introduced by the IQAC is the conduct of monthly lectures on every first Friday. Eminent scholars are invited to talk on a topic of contemporary importance for about one hour. A large number of general public attend this lecture series. Another step initiated by the IQAC is the provision for uniform dress code for all students. It enhances the self-esteem and sense of discipline among students.

The college is now celebrating its Golden Jubilee (2014-2015). Its innumerable alumni are placed in different walks of life in different parts of the globe. They include outstanding educators, officers, political dignitaries,

statesmen and social workers. In tune with the logo 'Lead Kindly Light', we continue to lead thousands of men and women to the light of knowledge.

The college had been reaccredited by National Assessment and Accreditation Council at 'A' grade in 2007. The post-reaccreditation period has seen a plethora of activities and developments in the light of the suggestions made by the NAAC peer team. This Self-Study Report is submitted before the NAAC to facilitate a reassessment of our delivery of service in the post-reaccreditation period (2007-2014).





## **SWOC ANALYSIS**

Newman College, Thodupuzha is at the threshold of celebrating its golden jubilee in the year 2014-2015. As it is completing 50 years of its existence, the college administration thought it fit to make an indepth analysis of the Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the institution and prepare a perspective plan for the next five years.

### **Methodology used**

As a preliminary step towards the SWOC analysis, the teaching staff of the college discussed in detail about the need of having a SWOC analysis, especially when we are on the sidelines of the golden jubilee celebrations. It was decided to have brainstorming sessions among different stakeholders of the college, such as teaching staff, non-teaching staff, students, parents, alumni and governing body. Sampling method was used to identify the participants for the brainstorming sessions, from among the categories of students, parents and alumni. One out of every 10 persons was identified for the purpose from each category. The entire population was included from the categories of teaching and non-teaching staff and governing body. The exercise was done in January- February 2014.

Each group consisted of 15 members. They were asked to ponder over the strengths, weaknesses, opportunities and challenges of the institution. They were given total freedom to air their views on each of the factors. Each group had a rapporteur who noted down all points discussed and codified them in the form of a report which was presented in the meeting of each category of people.

There was a teacher co-ordinator for the SWOC analysis who summed up all group reports and made the inferences.

## **The Inferences made**

### **1. Strengths**

The most remarkable strength of the institution is its reputation and geographical location. This is the oldest educational institution of higher learning in the entire high range region. The college is home to most of the enlightened citizenry of the region and Idukki district. At a time when educational opportunities were limited, Newman College was the only educational institution of the region, and as such people had no choice but to join this college for their higher studies. They received education here and then migrated to different parts of the world to make a living. They still cherish their fond memories about the institution and are willing to contribute towards the development of the institution.

The geographical advantage is significant by virtue of its location in the Idukki district where educational opportunities are still limited. There are only six arts and science colleges in the district, that too with limited number of academic programmes. Therefore, a large number of parents in Idukki district look forward to Newman College to educate their wards.

Another major strength of the college is the highly motivated and innovative faculty members. Twenty six teachers out of 68 are holding Ph.D. Degrees. There are 29 research projects currently running in the college. On an average, 10 national seminars are held every year. Three research journals are published from the college. Therefore, there is a better academic ambience in the institution. There is cordial relationship between teachers and students. The alumni association and PTA are strong enough. There are five career oriented add on courses and soft skill development programmes. All science departments are DST-FIST supported. Therefore, the college has ample scope for further development.

## **2. Weaknesses**

The major weakness suffered by the institution is the social and economic backwardness of the region in which the college is located. A vast majority of people living in the region are either illiterate or less educated. Most of them are small farmers or plantation workers. Their children form majority of the student strength of the college. Consequently, most of them have to engage in a part-time job to make a living. A good number of students attend the classes in the day time after labouring hard in the nights or early morning. Therefore, the students lack concentration in their studies. It affects their quality as well.

Another major difficulty in the college is the lack of adequate infrastructural facilities. The building is 50 years old. Class rooms, Library and Laboratories need to be renovated. The sports facilities available on the campus also need to be reinvigorated.

## **3. Opportunities**

The college has lots of potentials for development. Being the biggest and the oldest educational institution of higher learning in the district of Idukki, the college stands a better prospect of getting elevated to the status of an autonomous college. The college is currently accredited by NAAC with 'A' grade and therefore, it stands a better chance for the CPE (Centre with Potential for Excellence) status as well. Another possibility for the college derives from its geographical location. Thodupuzha is the fastest growing town in the region and it is well connected by road from different quarters. In that way, it offers a lot of scope for attracting students from all parts of the state. A well functioning ladies' hostel is an advantage. Nearly 150 students can be accommodated in the hostel. As there are not many colleges in the region, and there is an increasing quest for higher education in an otherwise backward region, the college offers a lot of scope for development in the next 25 years.

The research orientation of teachers offers yet another opportunity for the college. Out of the total 68 regular teachers, 26 possess Ph.D. Degree. They can take up major research projects, organize academic seminars and publish research papers. The academic profile of teachers lends quality to the academic services of the college. Definitely, the students stand benefited from such an academic scenario.

The students have got better opportunities to develop further. To enhance the employability of students, the state government has introduced the scheme of ASAP by which special training is imparted to students in communication and computer skills. The weak students are given special coaching under the state government sponsored scheme of Scholar Support Programme (SSP) and the UGC sponsored scheme of remedial teaching. The talented students are given motivation and inspiration to scale new heights, under the scheme Walk with the Scholar (WWS).

#### **4. Challenges**

By way of challenges, the institution stands to lose on the infrastructural front. The emerging global scenario in the field of higher education is of tremendous changes. Technology enabled education is the norm in all standard universities and colleges. To cope up with such fast changing developments, Newman College needs to equip itself with the latest advancements in the fields of buildings, facilities and ambience.

### **PERSPECTIVE PLAN**

Based on the SWOC analysis, a perspective plan is prepared for the next five years with the following key factors.

#### **1. Human Resource Development**

Considering the fact that the employability of graduates is reported to be low, greater emphasis is needed to train the human resources of our students. The facility for training students for various competitive

examinations including civil service is an essential requirement on a modern campus. At present, the facility is limited to Banking Service examinations. To extend this facility to other sectors, a full-fledged HRD Centre on the Campus needs to be instituted.

## **2. Emphasis on social inclusion**

As majority of students are coming from socially and economically poor backgrounds, it is essential that special plans are arranged to accommodate such students into the social mainstream.

## **3. Centre for Women Empowerment**

As two third of our students are girls, a women empowerment centre will do a lot of service in addressing the strategic needs of women. Gender sensitive programmes can be initiated and implemented under the auspices of the Centre for Women Empowerment. This will add to the self-esteem of our girl students which, in turn, will result in better learning outcomes.

## **4. Entrepreneurship Development among students**

The purpose of education is obviously the moulding of responsible citizens. Therefore, the students should be motivated to develop the craft of entrepreneurship among themselves. An Entrepreneurship Development Centre in the campus will serve this purpose. As a result, the students will become employment generators rather than employment seekers.

## **5. Counselling Centre**

A Counselling Centre is also proposed to be set up in the campus to address the psychological needs of our students. A full time professional counsellor is sought to be appointed for the purpose.

## **6. Men's Hostel**

As there is no men's hostel on the campus at present, it is high time an accommodation facility is arranged for boys studying in the college. This will attract a good number of boy students from far away places to this campus.



## **7. Indoor Stadium**

To ensure physical health and promote sports and games among students, a fullfledged indoor stadium is needed on the campus. If an indoor stadium is materialized, it will be the first of its kind in the entire high range region.

## **8. Library Annexe**

As the existing library building is insufficient, an annexe is proposed to be set up on the campus. It will provide the opportunity for accommodating more books and reading facilities for teachers and students.

Such institutional plans are proposed in the light of the inferences derived from the SWOC Analysis.

### **Specific Objectives and Expected Results**

The objectives for the next five years are framed to fill the gaps found in the SWOC analysis. The results of the SWOC Analysis revealed that the poor socio-economic background of students, the low employability of graduating students, marginalization of students, stress and strain of students and inadequate infrastructural facilities are certain flaws suffered by the institution. In the light of such handicaps, the following objectives are framed for the purpose of institutional development:

1. To enhance the employability of graduating students
2. To create a feeling among students that they are all the children of the same God and therefore equal in all respects.
3. To enhance the self-esteem and morale of students, especially of the weaker sections
4. To strengthen the entrepreneurial skills of students
5. To address the mental stress and strain of students
6. To enhance the infrastructural and learning resources of students.

The realization of the above objectives will certainly strengthen and improve the employability and learning outcomes of graduating students.

### **ACTION PLAN**

#### **a. Improving Employability of Graduates**

It is estimated that the employability of graduates from Kerala state is abysmally low. The scenario in Newman College is also not different. To address this problem, it has been proposed to start a Human Resource Development Centre and a finishing school. The HRD Centre will give training to students for preparing them to appear for competitive examinations. Intensive coaching on numerical ability, aptitudinal skills, tips for group discussion and interview will be imparted on a regular basis. The classes will be arranged before 10.00 a.m. and after 4.00 p.m. and on holidays. Different batches for PSC tests, Bank tests, Civil Service, Defense Service etc will be started.

A finishing school is also proposed to begin. It will take care of the soft skills of our students. Communicative skills, behavioral patterns, good manners, body language etc will be the focal points in the finishing school. Here also, lessons will be arranged without compromising the regular classes. As a result of these initiatives, it is expected that the employability of our students will be enhanced to a great extent.

#### **b. Increased Learning Outcomes of the Students**

Considering the fact that there are two categories of students- advanced learners and slow learners- different strategies will be adopted for augmenting the learning outcomes of the students. Advanced learners will be given special incentives like prizes and the facilities for mentoring. The slow learners will be provided remedial coaching. The remedial coaching will be given to students who are weak in the studies of certain courses. Such classes will be engaged by

regular teachers during extra classes. Such teachers will be paid extra for such extra work. It is expected that through such initiatives, the learning outcomes of students will be increased.

**c. Obtaining Autonomous Status within two years**

The college is reaccredited by NAAC with 'A' grade and has seven post-graduate programmes. Therefore, the college is eligible to attain autonomous status. In fact, the college was shortlisted by the Kerala Govt. for the purpose in 2013, though it did not reach the final list. Efforts are being made to prepare itself for the autonomous status. Committees have been constituted at management and staff levels for re-invigorating the activities. A Research Promotion Cell was put in place to promote teachers to take up more research projects and publish their studies in reputed national and international journals. Committees have been constituted for infrastructural development, sports and cultural activities as well.

**d. Accreditation**

The college is reaccredited by the NAAC with 'A' grade. The college is presently on the job of preparing for the 3<sup>rd</sup> cycle of accreditation. The Internal Quality Assurance Cell (IQAC) is entrusted with this task. The members of IQAC are actively involved in the process of preparing the self-study report. The report is expected to be submitted by June 2014 and the accreditation process will be completed by January 2015.

**e. Implementation of Academic and Non Academic Reforms**

To effectively implement reforms in academic and non-academic spheres, organizational arrangements are made in the college. The Board of Governors is already in place which will take all policy decisions with regard to the smooth implementation of all schemes in the college. The body will supervise and monitor various activities of

the project such as faculty development, financial management, procurement of goods and services, ensure compliance with the ideals of the project, and crisis management.

**f. Interaction with Industry**

To increase the employability of the graduates, institutional linkage with the industry is very essential. For this purpose, efforts are made to establish tie ups with major industrial units in and around Thodupuzha. The 'Lunar Rubbers' is the biggest industrial unit in Thodupuzha. Its Managing Director, Sri. Issac Joseph Kottukappally, is a well wisher of Newman College and in that way he is expected to be of great help to our students. Our students can be sent to the 'Lunar Rubbers' for internships and practical sessions. The possibilities of linkages with other industrial units are also on the anvil.

**g. Research and Consultancy Activities**

Research and consultancy services are priority areas of the institution. Out of 68 regular teachers, 26 possess Ph.D. degrees and altogether there are 29 research projects currently running in the college. There is a research promotion cell in the college which takes care to promote each and every teacher to pursue doctoral studies and take up research projects. In the field of consultancy, there exists great scope for teachers to engage in extending services to the larger society in the form of tax consultancy. The teachers in the Commerce department have already been imparting this service to the people and earning a considerable amount of money also in this way.

**h. Finishing School**

Nearly 85% of students in Newman College are from the socially deprived sections like SC/ST/OBC and minorities. They come with certain inherent shortcomings in their ascribed skills. They lack the required soft skills to meet the expectations of their potential

employers. And they are weak in their academic studies as well. In order to enhance their employability, it is proposed to set up a finishing school in the college.

The Finishing School will provide the necessary training for weak students to develop their communicative skills, behavioural patterns and tips for doing group discussion and facing interview board. Under the Finishing School, it is proposed to arrange remedial coaching and computer classes for weak learners. It is expected that the finishing school will enhance the employability of our students and improve their learning outcomes.

#### **i. Strengthening PG Programmes**

Currently the college has seven post-graduate programmes. The problem with the existing PG programmes is that it focuses more on class room teaching and learning. Instead, interactive sessions, discussion groups, invited lectures and seminars are proposed to be introduced. The students will be re-oriented to Library along with class rooms. The UGC NET coaching programme also will be strengthened.

#### **j. Training**

The current system that a postgraduate with a UGC NET qualification can straight away enter the teaching profession without having undergone any meaningful training for the purpose is totally unfair. Also, it is a deplorable situation that teachers are less prone to research and consultancy. This situation has to be changed. Intensive training programmes need to be arranged in order to develop their domain knowledge and pedagogical skills. In this regard, the college has already arranged a Faculty Development Programme in May 2013, in association with the Kerala State Higher Education Council. It hopes to organize similar periodical training programmes in future as well. Also, the teachers will be motivated to attend the mandatory

orientation and refresher courses. They will be prompted to update their qualifications by taking additional degrees like M.Phil. and Ph.D. In order to improve their research capabilities, the teachers will be promoted to take up minor and major research projects, funded by external agencies. The college has already a good tradition of organizing national seminars on the campus. The teachers will be encouraged to present papers in workshops/seminars and publish them too.

The College has plans to organize service training programmes for the technical and administrative staff of the college. It is planned to have at least one training programme every year. Topics like service rules, purchase rules, file keeping, computing skills will be given importance. Experienced people from different fields will be called in as resource persons.

#### **k. Implementation of the Perspective Plan**

The project implementation will be carried out with the active participation of all teachers and administrative staff of the college. Committee meetings and general staff meetings will be frequently convened at different stages of the project implementation. The governing body, staff council, and PTA will oversee the implementation of the project.





## SECTION B: PREPARATION OF SELF-STUDY REPORT

### 1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	Newman College Thodupuzha	
Address :	Thodupuzha East P.O	
City :	Pin : 685585	State : Kerala
Website :	www.newmancollege.ac.in	

2. For Communication:

Designation	Name	Telephone with STD code
Principal	Dr. T. M. Joseph	O: 04862229797 R: 0481-2732705 <b>Mobile:</b> 9447851808 <b>Fax:</b> 04862 229797 <b>Email:</b> principal@newmancollege.ac.in
Vice Principal	Dr. K.J. John	O: 04862-222686 <b>Mobile:</b> 9447979976
Steering Committee Co-ordinator	Dr. Bijimol Thomas	Mobile: 9961971552 O: 04862229797

3. Status of the Institution:

Affiliated College



Constituent College

Any other (specify)

4. Type of Institution:

a. By Gender

i. For Men

- ii. For Women
- iii. Co-education ☒
- b. By Shift
  - i. Regular ☒
  - ii. Day
  - iii. Evening

5. It is a recognized minority institution?

Yes ☒

No

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

**Religious**

6. Sources of funding: Government Grant-in-aid ☒  
Self-financing  
Any other

7. a. Date of establishment of the college: 12-07-1964 (dd/mm/yyyy)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

**Mahatma Gandhi University, Kottayam**

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	✓	
ii. 12 (B)	✓	

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/ Approval details Institution/Depart ment Programme	Day, Month and Year (dd-mm-yyyy)	Validi ty	Remar ks
i.				
ii.				

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes ☒

No ☐

If yes, has the College applied for availing the autonomous status?

Yes ☒

No ☐

9. Is the college recognized

- a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐

No ☒

If yes, date of recognition: ..... (dd/mm/yyyy)

- b. for its performance by any other governmental agency?

Yes ☐

No ☐

If yes, Name of the agency ..... and

Date of recognition: ..... (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location *	Semi -Urban
Campus area in sq. mts.	26 acres
Built up area in sq. mts.	12000 M <sup>2</sup>

(\* Urban, Semi-urban ☒, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium ☒/seminar complex with infrastructural facilities ☒
- Sports facilities
  - \* play ground ☒
  - \* swimming pool
  - \* gymnasium ☒

- Hostel
  - \* Boys' hostel
    - i. Number of hostels
    - ii. Number of inmates
    - iii. Facilities (mention available facilities)
  - \*Girls' hostel
    - i. Number of hostels : **One**
    - ii. Number of inmates : **170**
    - iii. Facilities (mention available facilities): **Kitchen, Dining Hall, Prayer Room, Reading room, Recreation Hall etc**
  - \* Working women's hostel
    - i. Number of inmates
    - ii. Facilities (mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)
- Cafeteria —
- Health centre —
 

First aid, Inpatient, Outpatient, Emergency care facility,

Ambulance..... Health centre staff —

Qualified doctor      Full time ☐    Part-time ☐

Qualified Nurse      Full time ☐    Part-time ☐

  - Facilities like banking☒, post office☒, book shops ☒
  - Transport facilities to cater to the needs of students and staff
  - Animal house
  - Biological waste disposal
  - Generator ☒ or other facility for management /regulation of electricity and voltage

- Solid waste management facility
- Waste water management
- Water harvesting

12. Details of programmes offered by the college (Give data for current academic year)

Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
Under-Graduate	Mathematics	3	+2	English	60	60
	Physics	3	+2	English	40	40
	Chemistry	3	+2	English	50	48
	Botany	3	+2	English	30	30
	Zoology	3	+2	English	50	45
	Malayalam	3	+2	English	24	24
	English	3	+2	English	70	68
	Economics	3	+2	English	70	70
	History	3	+2	English	70	70
	Commerce Taxation	3 years	+2	English	63	63
	Commerce Co-operation (SF)	3 years	+2	English	40	30
	Commerce Computer (SF)	3 years	+2	English	48	43
Post-Graduate	Mathematics	2 years	Degree	English	18	18
	Physics	2 years	Degree	English	14	14
	Chemistry	2 years	Degree	English	14	14



	English	2 years	Degree	English	18	18
	Economics	2 years	Degree	English	18	18
	Commerce	2 years	Degree	English	18	18
	Commerce SF	2 years	Degree	English	23	23
Integrated Programmes PG						
Ph.D.	Physics	3	PG	English		06
	English	3 years	PG	English		
M.Phil.						
Certificate course	Add on courses					
	Computerized accounting (UGC)	1 year	Plus two	English	50	50
	First Aid and Safety Education	1 year	Plus two	English	30	15
	Communicative English (UGC)	1 year	Plus two	English	60	60
	Electronic Equipment Maintenance (UGC)	1 year	Plus two	English	20	20
	Plant Tissue Culture (UGC)	1 year	Plus two	English	30	20
	Additional Skill Acquisition Programme (ASAP) (Govt. of	1 year	Plus two	English	30	30
UG Diploma	Rubber Technology	1 year	Plus two	English	50	14
	Dairy Sciences	1 year	Plus two	English	50	42

	Diploma in Computer Application	1 year	Plus two	English	30	30
PG Diploma						
Any Other (specify and provide details)						

13. Does the college offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many?

03

14. New programmes introduced in the college during the last five years if any?

Yes	✓	No		Number	05
-----	---	----	--	--------	----

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Mathematics	✓	✓	
	Physics	✓	✓	✓
	Chemistry,	✓	✓	
	Botany,	✓		
	Zoology	✓		

Arts	English	✓	✓	✓
	Economics	✓	✓	
	History	✓		
	Malayalam	✓		
Commerce	Commerce Taxation,	✓	✓	
	Commerce Computer Application	✓		
	Commerce Co-operation	✓		
	Commerce Finance		✓	
Any Other (Specify)				

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- a. annual system  
b. semester system  
c. trimester system

19

17. Number of Programmes with

- a. Choice Based Credit System  
b. Inter/Multidisciplinary Approach  
c. Any other (specify and provide details)

19

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes ☐ No ☒

If yes,

- a. Year of Introduction of the programme(s).....  
(dd/mm/yyyy) and number of batches that completed the programme

--

- b. NCTE recognition details (if applicable)

Notification No.: .....

Date: ..... (dd/mm/yyyy)

Validity:.....

- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes ☐ No ☐

19. Does the college offer UG or PG programme in Physical Education?

Yes ☐ No ☒

If yes,

- a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)  
and number of batches that completed the  
programme

- b. NCTE recognition details (if applicable)

Notification No.: .....

Date: ..... (dd/mm/yyyy)

Validity:.....

- c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes ☐ No ☐

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff	Techni-cal staff		
	Professor		Associate Professor		Assistant Professor					
	* M	* F	* M	* F	* M	* F	* M	* F	* M	* F
Sanctioned by the UGC / University / State Govern-ment <i>Recruited</i>			27	18	13	11	11	14	1	
<i>Yet to recruit</i>										
Sanctioned by the Managemen t/ society or other authorized bodies <i>Recruited</i>										
<i>Yet to recruit</i>										

\*M-Male \*F-Female

## 21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			12	06	07	01	26
M.Phil.			08	04	01	01	14
PG			09	08	05	09	31
Temporary teachers							
Ph.D.							
M.Phil.							

PG					05	13	18
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

22. Number of Visiting Faculty /Guest Faculty engaged with the College.

19

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2010-2011		2011-2012		2012-2013		2013-2014	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	21	33	23	30	22	41	25	55
ST	09	14	7	13	12	20	19	14
OBC	36	121	31	107	47	134	43	146
General	55	158	68	130	104	217	115	241
Others (OEC)	08	19	5	16	7	17	13	31

24. Details on students enrolment in the college during the current academic year:

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	579	123			
Students from other states of India	-	-			
NRI students	-	-			
Foreign students	-	-			
Total	579	123			

25. Dropout rate in UG and PG (average of the last two batches) UG

UG

49

PG

5

## 26. Unit Cost of Education

*(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)*

(a) Including the salary component

**Rs.75799**

(b) Excluding the salary component

**Rs.4778**

## 27. Does the college offer any programme/s in distance education mode (DEP)?

Yes ☒ No ☐

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes ☒ No ☐

b) Name of the University which has granted such registration.

**Indira Gandhi National Open University**

c) Number of programmes offered

**13**

d) Programmes carry the recognition of the Distance Education Council.

Yes ☒ No ☐

## 28. Provide Teacher-student ratio for each of the programme/course offered

English : 1: 81  
Hindi : 1: 220  
Malayalam : 1: 220



Mathematics	: 1: 44
Physics	: 1: 42
Chemistry	: 1: 34
Zoology	: 1 :40
Botany	: 1: 38
Economics	: 1 :110
History	: 1 :100
Political Science	: 1: 180
Commerce	: 1 : 21
Physical Education	: 1: 732

29. Is the college applying for

**Accreditation**

Cycle I

**Cycle 3**

Re-Assessment

✓

Cycle 2

Cycle 4


*(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)*

30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle1: 01/02/2000 (dd/mm/yyyy) Accreditation

Outcome/Result...Three Star

Cycle 2: 31/03/2007 (dd/mm/yyyy) Accreditation

Outcome/Result... 'A' Grade.....

Cycle 3: ..... (dd/mm/yyyy) Accreditation

Outcome/Result.....

*\*Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure*

31. Number of working days during the last academic year.

171

32. Number of teaching days during the last academic year

*(Teaching days means days on which lectures were engaged  
excluding the examination days)*

152
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33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC...30/06/2004..... (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i) 01 Jan 2015 (dd/mm/yyyy)

AQAR (ii) 01 Jan 2015 (dd/mm/yyyy)

AQAR (iii) 19 Jan 2015 (dd/mm/yyyy)

AQAR (iv) 19 Jan 2015 (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

## CRITERION I

### CURRICULAR ASPECTS

#### 1.1 Curriculum Planning and Implementation

##### 1.1.1 The vision, mission and objectives of the institution

Newman College, Thodupuzha is a Christian minority institution, owned and managed by the Syrian Catholic Diocese of Kothamangalam. It was founded in 1964 to cater to the educational needs of the Syrian Catholic community in the region without any discrimination against other social segments. The college is named after John Henry Cardinal Newman, one of the greatest luminaries of all times in the field of higher education. Nationally reaccruited at ‘A’ grade by the NAAC in 2007, the college has all along identified three key areas as its mission: *Academic Excellence, Spiritual Vitality and Social Concern.*

The college seeks to serve certain important social ideals. These include the inculcation of spiritual and moral values in students and imparting training in socially productive sectors intended to mould them as socially committed citizens. The values which guide us at Newman College are: *Trust in God; Integrity of Character; Social Commitment and Pursuit of Excellence.* The college believes that the integral development of an individual is attained through academic excellence and professional competence, personal, interpersonal and societal skills. The college is committed to do maximum justice to its declared objectives through all its curricular and co-curricular activities.

##### 1.1.2 Implementation of the Curriculum

The vision and mission of the college are communicated to its stakeholders through several media. They are displayed at the entrance of

the administrative block of the college. Further, they are brought to the attention of the students and general public through brochure, prospectus, handbook, calendar, website and newsletter of the college.

### **1.1.3 Support Mechanism for the Effective Translation of Curriculum into Teaching Practices**

As an affiliated college of the Mahatma Gandhi University, it does not have the freedom to develop its own curriculum and therefore, is bound to follow the curriculum designed by the University. Still, it takes care to implement the curriculum in tune with the institutional goals and objectives. At the beginning of each academic year, the staff council prepares an outline of the activities that are proposed to be executed in the year. The council gives guidelines to the Departments that they should strictly follow the curriculum prepared by the University. If any teaching day is lost on account of unforeseen contingencies, it is compensated by engaging special classes on Saturdays. Internal examinations are held as per the schedule announced by the University. Answer scripts are valued and distributed to the students without delay. The progress of the students in studies is communicated to the parents in an open house meeting convened for the purpose. Teachers are motivated to engage remedial coaching classes for slow learners and intellectually challenged students. On similar lines, the state government sponsored Scholar Support Programme (SSP) also engages weak students. The advanced learners are motivated further under the Walk with the Scholar (WWS) scheme of the state government. A number of endowment prizes are also instituted to reward meritorious students.

### **1.1.4 Effective Curriculum Delivery and Transaction**

Teachers are encouraged to employ modern technological devices like LCD/DLP projectors for the effective delivery of curricular inputs. All post-graduate classes and some of the degree classes are equipped with

LCD/DLP projectors and the teachers are increasingly depending on such devices making the classroom teachings effective. The smart class room is on high demand by the teachers especially at the undergraduate level. Computers are also increasingly used by the teachers as teaching aids. Teachers are occasionally appreciated by the Manager and the Principal for taking extra classes out of the regular time frame.

#### 1.1.5 Networking with External Stakeholders on Curriculum Operationalisation

Most of the departments in the college maintain linkages with industrial establishments and research organisations to advance the practical knowledge attached to the given curricula. Students are occasionally sent to the industrial units and libraries to update their practical knowledge. Every year in the month of December, a ten day long agricultural fair (titled *Karshika Mela*) is conducted in the college with the collaboration of many industrial units. In the process, the students gain an invaluable opportunity to access first hand information on the theoretical lessons that they have attended in class rooms.

#### 1.1.6 Contribution of the Faculty in Curriculum Development

As the college is an affiliated institution of the University, it does not have the freedom of developing a curriculum of its own. However, many of our faculty take part in the curriculum revision workshops and contribute to the exercise. Some of our teachers do serve on the Boards of Studies and panel of subject experts.

#### List of Faculty in the Boards of Studies/ Panel of Subject-Experts (2008-2014)

Sl. No.	Name of Faculty & Department	Position in the BoS/ Panel of Subject Experts	Period
1.	Dr. A.P. Philip Commerce	Member, PG Board	2009-2012
2.	Dr. A.P. Philip Commerce	Member, Panel of Subject Experts	2008-2010

3.	Dr. Thomson Joseph Physical Education	Board of Studies	June 2014 onwards
4.	Dr. K.V. Alice Mathematics	PG Board of Studies	June 2013 onwards
5.	Dr. Jane A. Luke Statistics	PG Board of Studies	June 2013 onwards
6.	Dr. Bijimol Thomas English	Subject Expert-M.G University	2013 onwards
7.	Dr. Bijimol Thomas English	Board of Studies-PG English	2014 onwards
8.	Dr. Jose Augustine English	Board of Studies-UG English	2014 onwards
9.	Dr. George James T Physics	Subject Expert Panel, M G University	from 2004 onwards
10.	C B Satheeshkumar Physics	Chairman, Board of Studies (UG), M G University	2014 onwards
11.	Dr. George James T Physics	Member, Academic Council, M G University	2014 onwards
12.	Dr. George James T Physics	Member, Board of Studies (UG), M G University	2014 onwards

The college has collected a feedback from the students and teachers on the newly introduced Choice Based Credit and Semester System (CBCSS) and has communicated to the University as valuable inputs. The collected feedback also serves as a pointer to the extent of the curriculum implemented.

## 1.2 Academic Flexibility

### 1.2.1 Programmes of Study

All academic programmes in the college run on the semester system. All undergraduate students have to take English as first language and choose either Hindi or Malayalam as second language. Given the existing curriculum design for the undergraduate programmes, the college follows interdisciplinary/ multi-disciplinary approaches under the 'core' and 'complementary' subjects. The programme options that are available in the college are given below:

## PROGRAMMES (Regular)

1. Three Year Under Graduate Programmes		NO. OF SEATS
<b>Common Courses</b>		
English		
Malayalam / Hindi		
<b>Core and Complementary Courses</b>		
<b>B.A.</b>	1. <b>Economics</b> (Core), History, Political Science (Compl.)	60
	2. <b>History</b> (Core), Economics, Political Science (Compl.)	60
	3. <b>English</b> (Core), Evolution of Literary Movements, Political Science (Compl.)	60
	4. <b>Malayalam</b> (Core), Kerala Culture and Sanskrit (Compl.)	24
<b>B.Sc.</b>	1. <b>Mathematics</b> (Core), Statistics, Physics (Compl.)	50
	2. <b>Physics</b> (Core), Mathematics, Chemistry (Compl.)	32
	3. <b>Chemistry</b> (Core), Mathematics, Physics (Compl.)	40
	4. <b>Zoology</b> (Core), Chemistry, Botany (Compl.)	40
	5. <b>Botany</b> , Biotechnology and Biochemistry (Model -II)	24
<b>B.Com</b>	1. <b>B.Com: Finance &amp; Taxation</b>	50
	2. <b>B.Com: Computer Application - Model III (S.F)</b>	40
	3. <b>B.Com: Co-operation - Model I (S.F)</b>	40
<b>2. Two Year Post Graduate Programmes</b>		
	1. <b>M.Sc. Mathematics</b>	15
	2. <b>M.Sc. Physics</b>	12
	3. <b>M.Sc. Chemistry</b>	12
	4. <b>M.Com</b>	15
	5. <b>M.A. English</b>	15
	6. <b>M.A. Economics</b>	15
	7. <b>M.Com: Finance (S.F)</b>	20
<b>3. Doctoral Programmes</b>		
	1. <b>Physics</b>	
	2. <b>English</b>	
<b>4. One Year Diploma Courses under Community College (UGC)</b>		
	1. <b>Rubber Technology</b>	
	2. <b>Dairy Sciences</b>	
<b>5. One year Diploma in Computer Application (Govt. of Kerala)</b>		
<b>6. One year Certificate/ Diploma programmes of Career oriented Add- on Courses (UGC)</b>		
	1. <b>Computerised Accounting</b>	
	2. <b>First Aid &amp; Safety Education</b>	
	3. <b>Communicative English</b>	
	4. <b>Electronic Equipment Maintenance</b>	
	5. <b>Plant Tissue Culture</b>	

### 1.2.2 Scope of Dual Degrees

The students can earn job oriented training in the certificate/ diploma programmes along with their regular degree programmes. But there is no scope for students getting dual degrees. The University system does not provide this option to the students. The students have limited horizontal mobility in regular courses. The University restricts the options according to its regulations. Though there is no provision for a dual degree from the same University (MGU), the IGNOU Study Centre functioning in the campus offers ample opportunities for students to pursue a degree programme simultaneously with their regular course of study. The courses thus offered by the IGNOU study centre are M.A. in English and Rural Development, Bachelor degree in Commerce, Tourism, Social Work, English, History and Sociology, and Diploma/ Certificate Course in Computer Education, Tourism, Rural Development, Food and Nutrition, Human Rights etc.

The college also tries to impart several skill oriented programmes to the students. Apart from the career oriented add-on programmes, the state government has introduced a scheme called **Additional Skill Acquisition Programme (ASAP)** by which students are given intensive training for acquiring communicative and computer skills. The Department of Continuing Education, Govt. of Kerala is running a **Diploma in Computer Applications (DCA)** in the College. It is also important to note that the UGC has sanctioned a Community College under which two diploma courses (**Rubber Technology and Dairy Science**) have been started in 2014. These courses provide skill based training and education to the students who wish to join the work force, even without having a conventional degree.



### 1.2.3 Extent of Academic Flexibility

With the advent of the Choice Based Credit and Semester System (CBCSS), the students are required to choose a course from another department in the V semester of the UG programme. This practice titled 'open course' adds to the academic flexibility of the programmes. The departments are allowed to choose a course on their own from the list of open courses identified by the University for the purpose. The list of open courses, thus selected by the departments are given below:

#### OPEN COURSES OFFERED

Sl.No.	Department	Open Courses Offered
1.	Mathematics	Applicable Mathematics
2.	Physics	Amateur Astronomy
3.	Chemistry	Environmental Chemistry
4.	Botany	Biotechnology
5.	Zoology	Human Genetics, Nutrition, Community Health and Sanitation
6.	Economics	Foundations of Environmental Economics
7.	History	Social Implications of Modern Revolutions
8.	English	English for Careers
9.	Commerce	Capital Market and Investment Management
10.	Physical Education	Physical Health and Life Skill Education
11.	Malayalam	Journalism: Basic Principles

In the sixth semester of UG programmes each department offers an elective course with a view to help the students in higher studies.

#### List of Electives for Undergraduate Programmes

Sl. No.	Title of the Elective (Choice based) course	Department
1.	Taxation (B.Com)	Commerce
2.	Computer Applications (B.Com SF)	Commerce

3.	Environmental Chemistry	Chemistry
4.	Human Resource Management	Economics
5.	Operations Research	Mathematics
6.	Archaeology	History
7.	Regional Literatures in Translation	English
8.	Economic Zoology	Zoology
9.	Plant Genetic Resources Management	Botany
10.	Astronomy and Astrophysics	Physics

To improve the employability of our students, there is a well functioning Career Guidance and Placement Cell which provides career orientation and intensive training to those students appearing for competitive examinations. Campus recruitment drives are occasionally held and a number of students get selected to Banks and other companies. Information bulletins on career prospects and educational opportunities are systematically placed on the Notice Board.

Similarly, in PG programme, the students in the last semester are allowed to choose elective subjects which help in improving the employability in different fields.

#### Elective courses for Post Graduate programmes

Sl. No.	Title of the Elective Course	Department
1.	Advanced Inorganic Chemistry	Chemistry
2.	Advanced organic Chemistry	Chemistry
3.	Advanced Physical Chemistry	Chemistry
4.	Monetary Theory & Policy	Economics
5.	Personnel Management	Economics
6.	Capital Market	Economics
7.	Economics of Agriculture	Economics
8.	Analytic Number theory	Mathematics
9.	Probability Theory	Mathematics
10.	Mathematical Economics	Mathematics
11.	Operations Research	Mathematics
12.	Modern European Drama	English
13.	Canadian Literature	English
14.	Dalit Studies	English
15.	English Language Teaching(ELT)	English

16.	Optoelectronics	Physics
17.	Software Engineering and Web design	Physics
18.	Thin films and Nanoscience	Physics
19.	General relativity and cosmology	Physics
20.	Direct Taxes- Assessment and producers	Commerce
21.	Financial Derivatives	Commerce
22.	International Finance	Commerce
23.	Securities Analysis and Portfolio Management	Commerce
24.	Cost Accounting	Commerce

#### 1.2.4 Operationalisation of Self Financing Programmes

Though the college is primarily a govt. aided institution, it has adopted some self-financing courses also considering the heavy demand for collegiate education. The state government have sanctioned two self financing courses in 2013. The courses sanctioned are **B.Com Computer Applications** and **M.Com Finance**. In 2014, another self financing course was started in **B.Com Co-operation**. Fifty percent of the total seats in these courses are filled by the University on merit basis, while the rest are filled by the college management. The curriculum is the same as that of the regular courses. As the courses are unaided, the students are required to pay the fee, as prescribed by the Govt. and the University, to meet the operational costs. The teachers are selected on an yearly basis on the basis of merit. The minimum qualification is a post-graduate degree in the concerned subject with 55% marks. Their salary is paid from the fund generated out of the fee collected from the students.

#### 1.2.5 Additional Skill Oriented Programmes

One of the problems confronting the higher education scenario in Kerala is the poor employability of our graduates. The state government have understood this lacuna, of late, and intervened to address the issue. It has introduced a novel programme called **Additional Skill Acquisition**

**Programme** (ASAP). The college also has joined as a partner in this programme. A batch of 30 students is trained by an expert team in communicative skills and computer techniques. It is branded as an initiative that will equip our graduates to meet the requirements of regional and global job markets.

### **1.2.6 Facility of Distance Education**

The University does not permit the regular students to combine their studies with the distance education mode. All regular students in the conventional stream are required to put in a minimum of 75% attendance to qualify them for the examination. Though the regular students are not allowed to go on the distant education mode of the same University, the college has a Study Centre of IGNOU which provides lots of opportunities to the students in earning degrees through the distant education mode.

## **1.3 Curriculum Enrichment**

### **1.3.1 Integrating Curriculum with Institutional Goals**

It is the prime responsibility of the institutional leadership to integrate the university designed curriculum with the institutional goals and objectives. While the University frames its curriculum with the sole objective of providing the students with the necessary factual and theoretical knowledge on the subject, the institution has the additional goal of transforming the students into socially useful citizens with integrity of character and commitment to the society. Therefore, the college has all along, been arranging a lot of value added programmes for the benefit of students. The faculty advisers (mentors) are asked to engage lessons on a core value for 15 minutes on all Thursdays.

Prior to the commencement of classes in the first year, all students are given a one day orientation on being good students. Simultaneously, the parents are also given an orientation on effective parenting. Life guidance

seminars and soft skill development programmes are also arranged for students at various levels. Various co-curricular and extra-curricular programmes are also being held to enhance the capability levels of the students. The organisations like NCC and NSS are very active on the campus through which the students imbibe the values of discipline, patriotism and community service.

### **1.3.2 Making the Curriculum Suitable for Employment Market**

Education is primarily seen by many students as a medium to get a reasonably paid job. Keeping with the aspirations of the students, a well functioning career guidance and placement cell is there in the college. It organises several programmes which enhance the soft skills of the students. It arranges coaching classes for the entry into services. Coaching classes for the UGC NET are also in place. As a result of all these efforts, many students clear various competitive examinations and get selected to various jobs.

### **1.3.3 Integrating Curriculum with Social Issues**

The college believes that education becomes fruitful only when the students develop a proper orientation towards nationally important social issues. Therefore, every effort is made from the part of the college to sensitise the student community on such issues. For instance, to address the issues of gender, a Centre for Women Empowerment has been established in the college in 2008. This centre has organised a number of lectures, awareness campaigns, and empowerment programmes with a view to bridge the gender gap in the society. It organised a seminar for mothers on “Modern Technology- Its Uses and Misuses”. Another seminar was organised for teachers on “Women and Social Change”. It conducted driving classes for more than 100 girl students. It also organised literary competitions exclusively for the girl students.

On the vexed issue of ‘Global Warming and Climate Change’ a three day national conference was held during 13-15 February 2012. On the issue of environment education, eminent environmentalist Prof. M.K. Prasad delivered a lecture on 01 February 2013. Dr. Shaju Thomas, another leading environmental activist also spoke on “Nature Conservation and Sustainable Development” on 01 November 2013. Another issue of concern is that of Human Rights. In collaboration with the Kerala Legal Services Authority, every year we organise Human Rights awareness programmes on 10 December. All such programmes are intended to raise the awareness levels of our students.

ICT enabled education is another priority area of the institution. Efforts have been made to ensure that every student is having sufficient access to internet and other communication devices. Nearly 150 computer terminals are set up on the campus of which 80 are internet connected. All staff rooms and administrative offices are equipped with internet accessible computers. The library is also equipped with internet accessible computers. Vast majority of staff and students are in the habit of frequently accessing internet facilities.

Further, teachers are increasingly resorting to ICT devices for delivering the curriculum. All post-graduate and some of the degree class rooms are equipped with multi-media projectors. The smart class room is equipped with multi-media projector, computer, television, interactive board and visualiser. These facilities are used by the undergraduate and post-graduate students alike.

#### **1.3.4 Value Orientation**

Education is considered to be an instrument leading to the holistic development of students. With this perspective in mind, several value added programmes are offered to the students. The UGC has sanctioned five career oriented add-on programmes to the college which are of great

use in making our students more employable. The career oriented courses which are currently being offered in the college are “Computerised Accounting”, ‘First Aid and Safety Education’, ‘Communicative English’, ‘Electronic Equipment Maintenance’ and ‘Plant Tissue Culture’.

Efforts are also being made to impart necessary moral and ethical values to the students. The classes begin every day with a prayer, invoking the blessings of God Almighty and ends with a salute to the nation, National Anthem. At the beginning of each academic session, an orientation programme on life skills is arranged to the benefit of all students. Learned people from other walks of life are specially brought in for this purpose. A three day retreat is arranged every year for catholic and non-catholic students separately. At the end of each academic programme, the outgoing students are given a ‘life guidance programme’ for two days. The purpose of all these programmes is to mould our students into better human beings.

A well functioning career guidance cell exists in the college to make available the possible career options for our students. At the beginning of each academic year, an acknowledged career expert Dr. P.R. Venkataraman is invited to elaborate upon various career options for the students. It is an open session which is attended by a large number of Higher Secondary students and their parents.

Community orientation is another thrust area of the institution. The National Service Scheme is in the forefront of such activities. The 200 students strong NSS unit is led by two Programme Officers. They undertake several programmes reaching out to the villages in the neighbourhood. Every year they stay seven days with the villagers, understanding their problems and offering the best possible solutions. The NCC unit also undertakes several community oriented programmes, particularly in times of contingencies and natural calamities.

### **1.3.5 Feedback Mechanism and Curriculum Enrichment**

The curriculum adopted in the college is set by the University and therefore, there is little scope for enriching the curriculum on our own. However, there is a scope for improving upon the implementation strategy of the curriculum. For this purpose, we bank upon the feedback from students and parents. Evaluative survey is done among them with separate questionnaires and the faculty is oriented to adopt appropriate strategies to meet their expectations.

### **1.3.6 Monitoring the Quality Enhancement Programmes**

The task of sustaining and enhancing quality in all the academic programmes is entrusted with the Internal Quality Assurance Cell (IQAC). It meets frequently and evaluates the conduct of various academic programmes in the college and intervenes wherever deficiencies are reported.

As a Christian minority institution, due importance is given to moral education. The faculty advisers engage the students for 15 minutes on every Thursday on topics of moral values. In addition, necessary social values like good manners, inter-personal skills and social commitment are given through various clubs like CSM, NSS, NCC, Spoken English Club, Debate Club and Career Guidance Cell.

## **1.4 Feedback System**

### **1.4.1 Contribution of the Faculty in the Curriculum Development of the University**

The curriculum is prepared by the University in a democratic process. It occasionally holds curriculum workshops to which teachers from affiliated colleges are invited to take part. Whenever such an invitation comes, the Principal deposes representatives from each department for the purpose. The teacher representatives from the college make comments and suggestions in the deliberations. The list of teachers who have participated in the curriculum revision workshops during the last six years are given below.



Sl. No.	Name of the faculty & Department	Venue	Dates
1.	Dr. A.P. Philip Commerce	M.G. University	Dec. 2011
2.	Dr. A.P. Philip Commerce	MES College Nedumkandam	Nov. 2008
3.	Dr. A.P. Philip Commerce	CMS College Kottayam	Sept. 2014
4.	Dr. Lovely Mathew Chemistry	M.Sc, MG University Campus	2012-2013
5.	Jenni K. Alex Economics	MG. University	2012
6.	Nancy Jacob Mathematics	U. G. , M.G. University Campus	May 2009
7.	M.C. Thomas Mathematics	PG, CMS College, Kottayam	15-17 Dec. 2011
8.	Baby Joseph Mathematics	PG, CMS College, Kottayam	15-17 Dec. 2011
9.	Marykutty Thomas Mathematics	UG, M.G. University Campus	May 2009
10.	Geetha Joseph Mathematics	UG, M.G. University Campus	May 2009
11.	Dr. A. J. Jose English	UG, M.G University, Kottayam	January 28-29 2011
12.	Dr. Sr. Alphonsa P.O English	UG, M.G University, Kottayam	January 28-29, 2011
13.	Vincent John K English	PG, M.G University, Kottayam	Jan 30, Feb. 01, 2012
14.	Dr. Sr. Alphonsa P.O English	PG, M.G University, Kottayam	Jan 30, Feb. 01, 2012
15.	Princy Jacob English	PG, M.G University, Kottayam	Jan 30, Feb. 01, 2012
16.	Dr. Bijimol Thomas English	PG, M.G University, Kottayam	Aug.26 Sept.23 & Oct. 29, 2014
17.	Kochurani K.C Zoology	UG, Baselius College, Kottayam	6-7 Dec. 2011
18.	Ms. Sindhu Racehl Joy Botany	UG, M.G. University Kottayam	21-22 July 2011
19.	Dr. George James T Physics	UG, M G University Kottayam	22-06-2009
20.	Dr. George James T Physics	M G University, Kottayam,	20/06/2013
21.	Dr. George James T Physics	General Convener Add-On courses, M.G.U	2013 onwards

22.	Dr. George James T Physics	Curriculum workshop, M.G.U	11 and 12 August 2011
23.	Prof. Marykutty John Physics	Curriculum workshop, M.G.U	11 and 12 August 2011
24.	Prof. Louis Parathazham Physics	Curriculum workshop, M.G.U	11 and 12 August 2011
25.	Dr. George James T Physics	General Review Add-On course, M.G.U	7th July 2010.

#### 1.4.2 Feedback on Curriculum Prepared by the University

The University itself had evolved a mechanism to obtain feedback from students and parents after one year of the introduction of the Choice Based Credit and Semester System (CBCSS). It circulated a detailed questionnaire to all the colleges, seeking responses on the working of the CBCSS. Such questionnaires were distributed among students and parents and the feedback forms were sent to the University. The results of such surveys were largely used by the University and government in revising the CBCSS which is manifested in the form of Prof. Hridayakumari Committee recommendations which were implemented w.e.f. 2013 admissions.

Such responses are also used by the college for internal revisions in the curriculum to the extent possible. For instance, based on such feedback, some of the Open Courses and Choice Based courses have been changed. The aspirations of the students and parents were also considered while introducing new academic programmes in the college.

#### 1.4.3 New Programmes Introduced

Keeping with the demands of the stakeholders, we had introduced the job oriented programmes like B.com Computer Applications and M.Com Finance in 2013 in the self-financing stream. We also introduced M.A. Economics programme under the aided stream in 2013. We started an aided programme in B.A. Malayalam and an unaided programme in B.Com Co-operation in 2014.

## **CRITERION II**

### **TEACHING- LEARNING AND EVALUATION**

#### **2.1 Student Enrolment and Profile**

##### **2.1.1-2 Admission Process**

As the College is affiliated to Mahatma Gandhi University, the admission process goes along with the admission schedule designed by the University under the Centralised Admission Process (CAP). The admission schedule is widely published by the University through the media and website for all colleges under its jurisdiction. The admission process is managed with the help of software developed by the University for the purpose.

The admission process is based on merit with mandatory reservation for the deserving categories. Fifty percent of the total seats is filled by the University under the general merit quota through CAP. The merit is decided on the basis of marks scored in the respective qualifying examinations; namely higher secondary and degree. Twenty percent of the seats is reserved for the Scheduled Caste/ Tribe categories which are filled by the University on the basis of inter-se merit, through CAP. Ten percent of the seats is left to the college which are to be filled on the basis of inter-se merit from among the applicant candidates belonging to the community of the educational agency which runs the college, i.e. the Syrian Catholic community of the Kothamangalam diocese. The remaining 20 percent of the seats is filled by the educational agency on a free choice basis, to meet the educational backwardness of the region. Apart from this 20 percent of seats, all other seats are filled purely on the basis of merit. If vacancies still exist, notifications are made by the University and the college in the media and subsequent admissions are made. The single window admission process initiated by the University

has proved to be successful in ensuring transparency and probity in the process.

### 2.1.3 Demand for Admission

The demand for admission to academic programmes varies from programme to programme. The demand is relatively high for programmes in Commerce, Mathematics, Physics, Chemistry and English when compared to other programmes. The highest and the lowest percentage of marks for students admitted to various programmes during the last year (2014) is given below.

Sl.No	Programme	Highest %	Lowest %
1.	B.Sc. Mathematics	95.75	82.33
2.	B.Sc. Physics	98.33	60.16
3.	B.Sc. Chemistry	91.66	76.75
4.	B.Sc. Botany	91.08	77.08
5.	B.Sc. Zoology	94.75	76.91
6.	B.A. English	90	63.41
7.	B.A. Economics	89.91	70.58
8.	B.A. History	87.66	58.5
9.	B.A. Malayalam	80.66	76.75
10.	B.Com	95.83	83.33
11.	B.Com Co-operation (SF)	84.75	64.5
12.	B.Com Computer Application (SF)	96.33	72.08
13.	M.Sc. Mathematics	3.76	3.21
14.	M.Sc. Physics	3.65	3.39
15.	M.Sc. Chemistry	3.59	2.77
16.	M.A. English	3.45	3.42
17.	M.Com	3.58	3.50
18.	M.A. Economics	3.31	2.8
19.	M.Com Finance (SF)	3.3	2.62

- In PG programmes, marks are given in the form of CGPA
- The marks are calculated for general merit category only

#### **2.1.4 Review of the Admission Process**

For the effective conduct of the admission process, a staff committee is in place which will evolve the strategies and mechanism to ensure transparency and efficiency in the process. After each admission session, the committee will review the process and correct the pitfalls, if any. One such major intervention was the software enabled admission process. The preparation of the rank lists, data entry of student profile and the collection of fee are now done with the help of this software. The information on any student is now available in the computer at a mouse click. These innovations have the effect of streamlining the entire admission process.

#### **2.1.5 Diversity and Inclusiveness in Admission Process**

As the admission process is mainly administered through CAP, it paves the way for accommodating more number of students from the socially and economically weaker sections into the educational net. For instance, after the first and the second allotments, special allotments and spot admissions are held for the SC/ST and differently abled students. As a result of these special initiatives, maximum number of such students are admitted into the various programmes. The single window admission process initiated by the University is definitely a step in the right direction to enhance the access to education. As a result, more number of women, and socially and economically deprived students are inducted to the educational system.

#### **2.1.6 Trends in the Demand Ratio**

The demand for various academic programmes of the college is steadily on the increase. There is a difficulty in ascertaining the actual demand for various courses in the college, as the admission is now administered by the university through CAP. The University receives the applications from students for all colleges and courses in the University

in the preferential order and then distribute the students among various colleges and courses in the order of merit. But the demand for a course in the college can be better gauged by the rush for a seat in a particular programme under the management quota (MQ). Such an evaluation is done in the following table.

Programme	Number of Applications under M.Q				Number of students Admitted in MQ				Demand Ratio (average)
	2010-2011	2011-2012	2012-2013	2013-2014	2010-2011	2011-2012	2012-2013	2013-2014	
B.Sc. Maths	88	72	93	104	12	12	12	12	7.44
B.Sc. Physics	64	67	78	96	08	08	08	08	9.53
B.Sc. Chem.	57	59	64	74	10	10	10	10	6.35
B.Sc. Botany	49	38	53	67	06	06	06	06	8.63
B.Sc. Zoology	66	74	69	78	10	10	10	10	7.18
B.A. English	112	104	127	136	14	14	14	14	8.55
B.A. Economics	78	86	93	99	14	14	14	14	6.36
B.A. History	67	73	69	77	14	14	14	14	5.11
B.Com	213	198	236	246	13	13	13	13	17.17
M.Sc. Maths	24	19	27	35	04	04	04	04	6.56
M.Sc. Physics	19	22	26	28	03	03	03	03	7.92
M.Sc. Chem.	21	20	28	33	03	03	03	03	8.5
M.A. English	29	30	36	33	04	04	03	03	9.14
M.A.Economics				14				03	4.67
M.Com	34	28	31	38	04	04	04	04	8.19
M.Com Finance (SF)				09				03	3

It is evident from the above table that the demand for various programmes in the college is increasing year by year. The steady rise in the demand

ratio for various programmes in the college could be attributed to many reasons. One is that the job prospect in the professional education has reached a saturation level and it results in greater attraction towards conventional education. Secondly, the general academic ambience in Newman College has improved a lot over the last five years. Largely, the peaceful atmosphere prevailing on the campus and the high degree of academic vibrancy, in terms of national seminars, lectures and programmes organised have turned out to be the vantage grounds of Newman College. This has been one of the thrust areas initiated by the IQAC to enhance the utility of student life on the campus.

## **2.2 Catering to Student Diversity**

### **2.2.3 Catering to the Needs of the Differently Abled**

The college has been giving due weightage to the educational needs of the differently abled students, in commensurate with the policies of the government in this regard. One percent of the total seats in each programme has been reserved for the differently abled students. Twelve such students are studying in the college at present. They are given scholarships from the social welfare department of the Government. They are given extra time in writing the examination. Some of them are given the assistance of an interpreter and grace marks in the examinations. Physical facilities are also provided in the college specially to cater the needs of physically challenged students. The facilities of ramp, wheel chair accessible toilets are some of them. The college takes care to see that the government policies are strictly adhered to in this regard.

### **2.2.4 Assessment of the Students' Capabilities**

The institution has evolved a mechanism to assess the knowledge levels and capability levels of students at the commencement of each programme. At the primary level, the faculty council in each department

used to hold an interactive session with each student admitted into the programme. The council will identify whether the student is an advanced learner or a slow learner. Advanced learners will be given incentives and special care to advance further. Slow learners are also given special care and attention in terms of tutorials. Such students will be directed to attend the remedial classes arranged by the department concerned with UGC assistance. Some students are seen with acute mental stresses. Such students will be directed to the counselling centre working in the college to iron out their psychological problems.

To assess the skills of students, a talent hunt programme is arranged at the commencement of each course. All first year degree students are asked to assemble in the auditorium and to present their best talents in given three minutes time. This exercise enables the teachers to evaluate the students in respect of their talents and capabilities and encourage them to perform better. This programme is titled **Three Minutes to Fame**.

#### **2.2.5 Bridging the Knowledge Gap**

As a result of the above exercise, the teachers are able to identify the knowledge gap of each student in certain areas of study. Some students might have got admission in the college without having undergone any basic course in certain areas. Such students are given remedial coaching under the UGC scheme and the Scholar Support Programme (SSP) of the state government. Such coaching classes are found very useful in terms of bridging the knowledge gaps of students with lesser exposure to advanced studies.

The scheme of open courses also helps the students in gaining extra knowledge. Each undergraduate student in the V Semester is required to opt for an additional course outside their core subject.

The UGC sponsored add-on courses also serve the purpose of enhancing the knowledge levels of students. Five such courses are



currently running in the college. They are Computerised Accounting, Communicative English, Electronic Equipment Maintenance, First Aid and Safety Education and Plant Tissue Culture. In addition, the national seminars and lectures organised in the college also enhance the knowledge levels of students in advanced areas.

#### **2.2.6 Sensitization on Social Issues**

The socio-economic disparities found in the larger society are reflected on the campus life as well. Two thirds of our students are girls and 80% of students do come from socially and economically backward sections of society. In this context, it is necessary that the staff and students have to be sensitised on issues of gender, caste and economic realities. The college has developed its own mechanism to address such issues. The Centre for Women Empowerment, started in the college in 2008, is a platform for sharing their concerns and needs. It arranges several programmes with a mission to sensitise the society that women are not inferior to men. The centre also takes care to see that the strategic needs of women are properly addressed in the college.

The UGC sponsored Equal Opportunity Centre, functioning in the college, acts with a mission to accommodate the socially excluded students into the mainstream of the campus life. The SC/ST Monitoring Cell, existing in the college functions with a motto of ensuring the welfare of SC/ST students. The cell gives proper instructions to the students to avail all benefits offered to them by the government. Necessary alerts are given to students on matters related to fee concession, stipends and scholarships. The SC/ST and minority students are given special training sessions for entry in services, remedial teaching, and NET /SET coaching. In addition, several extra curricular activities like Arts, Sports, Onam & Christmas celebrations and Food

Fest are organised on the campus with a purpose to socially integrate all students into a common identity.

Students are properly oriented towards environmental protection also. The National Service Scheme is the pioneering agency in this regard. The NSS mobilises public opinion, in and out of the campus, on issues of water conservation, afforestation, organic farming, no use of plastic materials etc. Having located on the lap of Western Ghats, the college has a special stake in the conservation of bio-diversity of the region. In this regard, a biodiversity club has been formed in the college to sensitise students on protecting the rich bio-diversity of the region.

### **2.2.7 Incentives to the Advanced Learners**

At the commencement of each session, the faculty council in each department interacts with students and identifies the advanced learners. Efforts are made to impart special coaching and encouragement to such students. They are sent to other institutions and centres for attending seminars and doing project works.

### **2.2.8 Minimising the Dropout Rate**

The institution is committed to groom each student into a successful graduate at the end of his/her programme. At the same time, it is quite natural that all of them may not complete the programme. Some of them run at the risk of dropping out in between. The college has evolved a strategy to minimise the drop out rate. At least two internal test papers are held in each semester. After the test paper, a meeting of the parents is convened. The academic performance of each student is assessed in the presence of the parent and student. It gives the opportunity to the parent to understand the level of his/her ward and to take corrective steps at home itself. The participation of parents is called for in the betterment of students. This exercise has proved to be very successful in

preventing the drop out of students, particularly among the disadvantaged students.

## **2.3 Teaching –Learning Process**

### **2.3.3 Initial Planning**

Teaching-Learning Process gets major share of attention from the part of teachers on the campus. Even before the commencement of the academic year, the staff council plans the activities of the year in a meticulous manner. The timetable and the academic calendar are approved in the council. The dates for the conduct of internal examinations, important events like Arts, Sports, Food Fest, Onam and Christmas celebrations are decided in advance. Attitudinal shifts towards the teaching learning processes are discussed in the staff council and conveyed to the entire staff in the meeting presided over by the Manager of the college. At the end of each semester, an evaluation is done among the students on the teaching learning process going on in the college. The feedback is obtained online. Each student can enter the site with his/her admission number as user ID and mark his/her evaluation about each teacher's teaching performance. The Principal alone can access the reports. The inferences from the evaluation are kept confidential by the Principal. But he takes appropriate actions on the basis of the inferences derived from the process.

### **2.3.4 Role of IQAC**

The Internal Quality Assurance Cell (IQAC) is the prime agency in the college that looks into the quality standards of the teaching-learning process. The cell meets regularly and evaluates how best the quality checks can be answered. It gives necessary instructions to the teachers on class room management from time to time. For instance, it issued strict instructions that the teachers should be present in the classes before the commencement of classes, that the late comers shall not be

given attendance; and that the students shall always wear identity cards and uniform so long as they are on the campus. It has been a major decision of the IQAC to implement uniform for the students, which has proved to be very effective in maintaining discipline and order in the campus. The IQAC also directs various departments to organise seminars and lectures to enhance the accessibility of students and teachers to advanced knowledge.

### **2.3.5 Making the Learning Process Student-Centric**

The focus of the teaching learning process has now become student centric instead of the traditional teacher centric approach. The main method by which this approach is given practical shape is through seminars and assignments. The teacher directs the students to prepare a paper on a particular topic and present before the class. The presenter is expected to respond to the questions raised by his/her classmates. The presentation is done with the help of audio-visual equipment. The teacher gives marks to the presenter on the basis of his/her performance. This method is widely promoted in the college. To facilitate this method, LCD projectors are increasingly used.

Project studies can also be seen as a means of promoting interactive learning. Project assignments are given to students in groups of 5-10 numbers. The project report is prepared as a result of the collaborative effort of all students in the group. The focus of the teaching learning process adopted these days is to spread the idea that the teacher is only a facilitator and the primary responsibility of learning rests with the individual students.

### **2.3.6 Making the Students Nation Builders**

Developing the faculty of critical thinking and creativity among the students is the essence of true education. With this purpose in view, the college gives ample opportunities to students to develop creative ideas in

their minds. For instance, an exhibition is arranged once in two years. In this exercise, students give practical shape to their creative ideas. Food festival is arranged every year since 2008. The students put up food stalls of their choice and distribute to teachers and students at a reasonable price. The students used to make good profit in this exercise. This was conceived as a means of adopting survival strategies in practical life. The practice of publishing departmental magazines is yet another attempt in developing the innovative skills of the students. The students of each department prepare and publish a departmental magazine on their own, since 2008. Such opportunities given to students will definitely mould them into innovators rather than mere learners on the campus.

#### **2.3.7 ICT Enabled Education**

The educational process underwent a thorough change with the advent of the information, communication technology (ICT). Newman College also has grown with these changes. ICT is increasingly used in the delivery of our academic services. All post-graduate classrooms and most of the final year undergraduate classrooms are equipped with LCD projectors. All undergraduate classes can have the facility of LCD projectors when they are in demand. An e-learning class room is set up with all modern devices of ICT like computer, LCD projector, interactive board, visualiser etc. This room is extensively used by the teachers. Virtual laboratory is used by the Physics department in the field of Astronomy and Astrophysics. The well equipped English language laboratory with 30 computers also provides an enabling atmosphere for improving the communicative skills of students. The central government sponsored scheme of National Mission on Education through Information and Communication Technology (NMEICT) is also

implemented in the college with free internet access to all teachers and students.

### **2.3.8 Exposure to Advanced Knowledge**

Newman College is fortunate enough to have got the opportunity of organising a number of national seminars, lectures and workshops over a period of time. The college has received financial assistance from UGC, NAAC, Kerala State Higher Education Council and Kerala State Council for Science, Technology and Environment (KSCSTE) for the conduct of seminars over the last seven years. On an average, five national seminars and 10 memorial/ endowment lectures are held every year. A host of nationally reputed scholars have made their presentations on the platform of the college. Such academic programmes definitely provide an opportunity for the teachers and students to access advanced level of knowledge.

### **2.3.9 Support Mechanism in Learning Process**

Effective student support is vital to the delivery of any educational service. This includes psychological, personal, academic and professional counselling. The college gives due importance to such services in its activities. Different mechanisms have been evolved for the purpose.

Psychological and personal support is provided by the counselling centre. Three teachers who have got sufficient training in counselling are given charge of the counselling centre. The services of two professionally qualified counsellors are hired for the purpose. One of them is present in the counselling room from 10.00 a.m. to 4.00 p.m. on every Friday. Students with personal problems can voluntarily approach the counsellor and get the services free of cost. Sometimes, the teachers themselves will direct students to the counselling centre. The experience

shows that the services rendered by the centre proved to be very effective in regaining the psychological health of the students.

The academic counselling is provided by the teachers themselves. The students of each class are placed under the control of two faculty advisers (mentors). They keep a close watch on the academic progress and behavioural patterns of their wards and suggest corrective measures, if needed. The faculty adviser is the immediate higher authority of the student and he/she is consulted by the Head of the department or Principal before taking any decision on the student. In that way, the adviser is held primarily responsible for the moulding of a gentle personality in each student.

Professional counselling is also imparted to the students. This is done by the Career Guidance and Placement Cell of the college. The cell provides information to students on career prospects and employment opportunities from time to time. It also arranges coaching classes to students for various competitive examinations. On an average, 20 students are recruited annually by reputed companies and banks.

#### **2.3.10 Innovation in Teaching-Learning Process**

With the advent of ICT, the delivery of educational services has become modern in its style. The college has got a well functioning smart class room with all electronic devices like interactive board, visualiser, television, LCD projector and others. All post-graduate class rooms and some final degree class rooms are equipped with LCD projectors. The well equipped English language laboratory functioning with the support of software was also an addition to the innovative methods of teaching in the last four years. All these facilities have been frequently used by the teachers in managing their lessons and the students find such classes more effective and lively to their benefits.

Another innovative method of teaching was the practice of reaching out to the entire college community through the public address system on topics of great contemporary relevance and value orientation. The five minutes exercise everyday at 12 noon is christened **Zero Hour** and it is well received by the college community. The students could learn many new things outside their regular syllabus through such programmes. Both the teachers and students very enthusiastically volunteer themselves to address the college community on such events. The net result of such programme is that the students develop a thirst for knowledge in their minds.

#### 2.3.11 Augmentation of Library Resources

The students are increasingly motivated to depend upon the library resources to improve their knowledge base. Some teachers take their students in a mass to the library and familiarise them in referring the books and taking down the notes. Further, the students are given attractive prizes for their best usage of library facilities from each class.

#### 2.3.12 Road Blocks in Curriculum Implementation

With the introduction of CBCSS in 2009, the academic schedule became hectic. It becomes extremely difficult, sometimes, to achieve the target of 90 working days in each semester. The challenge is mainly due to the calls of hartals and general strikes by political parties and social outfits. Public transport will be affected on such days and, as a result, teachers and students will not reach the college. Such challenges are overcome by the college by taking extra class on the succeeding Saturday. Even otherwise, the loss of working days is compensated by special classes on holidays and vacation.

#### 2.3.13 Monitoring the Teaching-Learning Process

The Internal Quality Assurance Cell has evolved an effective mechanism to monitor the quality of teaching-learning process. An



evaluation is held among the students at the end of each semester on the effectiveness of teaching process in the class rooms. The evaluation is done by the students on the basis of an online feedback mechanism. The students will mark their evaluations about each teacher's performance on the net itself. The Principal alone can access the results of such evaluations. The results of the evaluation will be kept confidential by the Principal who brings them into the notice of the teachers who are required to be corrected.

The students are also evaluated by the teachers and parents in a separate meeting held to assess their progress in studies and behavioural patterns. Such exercises have proved to be successful in improving the quality of teaching learning process.

## **2.4 Teacher Quality**

### **2.4.1 Human Resources Management and Changing Curriculum**

The college gives due importance to the quality and competency of its teachers. This is ensured in the recruitment process itself. The selection is done on the basis of an all India based advertisement given in University News and nationally reputed newspapers. The duly constituted selection committee meets the candidates in person and assess their subject knowledge, suitability to the teaching profession, attitudes, behavioural patterns etc. Fifty percent of the weightage is given to marks obtained at the PG level, 10% weightage for marks obtained at the degree level, 10% for additional degrees and 30% for the candidate's performance in interview. Being a minority educational institution, 50% of the teaching positions can be filled from among the specified community candidates on the basis of inter-se merit. The selections under both open merit and community merit quotas are done purely on the basis of an objective assessment about the candidate's merits.

After the selection, the college management organises orientation programme to the newly recruited teachers. They are sent to the UGC sponsored orientation and refresher courses from time to time. They are also motivated to pursue research studies like M.Phil. and Ph.D. They are also encouraged to organise national seminars in their relevant disciplines and take up research projects. The following table will give a brief outline about the quality profile of teachers in the college.

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc/ D.Lit							
Ph.D.			12	06	07	01	26
M.Phil.			08	04	01	01	14
PG			09	08	05	09	31
Temporary Teachers							
Ph.D.							
M.Phil.							
P.G.					05	13	18
Part time Teachers							
Ph.D.							
M.Phil.							
PG							

#### 2.4.2 Meeting the Challenge of Scarcity of Qualified Faculty

While there is no dearth in the availability of qualified teachers in conventional subjects, there exists a problem in getting competent faculty in emerging areas like Bio-technology. Such problems are resolved by engaging guest lecturers and invited talks by people of eminence from different fields including industry. Such efforts have proved to be very effective as students get advanced knowledge in frontier areas.

#### 2.4.3 Faculty Development Programmes

The IQAC takes care of enhancing quality by organising faculty development programmes. Several such programmes were organised over the last five years. Eminent academicians and trainers like Dr.

Ruble Raj, Prof. P.C. Aniankunju, Dr. K.P. Philip, Rev. Dr. Jacob Naluparayil, Prof. Tomy Cherian, Sri. T.P. Sreenivasan and Sri. T.K. Thomas have engaged the teaching staff on various occasions. In addition, IQAC has organised a NAAC sponsored state level seminar on higher education for IQAC co-ordinators in the state. It also organised a state level conference of all aided college Principals in Kerala on changing dimensions of higher education in Kerala. In addition, it organised a two day faculty development programme for the newly recruited young college teachers of the state. Such efforts had the effect of injecting a new spirit in the minds of teachers in pursuit of maintaining quality in their services.

At the same time, teachers were encouraged to attend various orientation/ refresher/ faculty development programmes conducted by other universities/ institutions. An account of such teachers is given below in the table.

#### Details of orientation/ refresher courses attended by faculty (2009-2014)

Sl. No.	Name of the faculty & Department	Orientation/ Refresher Course	Organising Institution	Period
1.	Bejoy Thomas Chemistry	Orientation	ASC-JNU Delhi	April-May 2013
2.	A.P. Philip Commerce	Summer School	ASC, TVM	30-7-2008/ 19-8-2008
3.	Benny Matthew Phy. Edn.	Refresher	ASC, TVM	10-3-2008/ 29-3-2008
4.	Jane A. Luke Statistics	Refresher	University of Calicut	10-03-11/ 30-03-11
5.	Nancy Jacob Mathematics	Refresher	ASC, TVM	17-11-09/ 18-12-09
6.	Nancy Jacob Mathematics	Refresher	ASC, TVM	18-5-2010/ 7-6-2010
7.	Jenni K. Alex Economics	Orientation	Calicut University	July-Aug 2014
8.	Krishnakumar M. V History	Orientation	ASC/JNU New Delhi	27-1-2015/ 21-2-2015
9.	Vincent John K. English	Refresher	Bharathiar University	February 2009

10.	Sr. Alphonsa P. O English	Refresher	Bharathiar University	April 2011
11.	Saju Abraham Botany	Orientation	ASC, TVM	30-4-2014/ 27-5-2014
12.	Saju Abraham Botany	Special Orientation	M.G. University	22-2-2013/ 28-2-2013
13.	K A Joseph Physics	Refresher	ASC Madras.	8-27 Sept. 2011
14.	K A Joseph Physics	Orientation	ASC, TVM	28/11/2014 18/12/2014
15.	Bejoy Thomas Chemistry	Refresher	ASC, JNU	6-4-2015/ 1-5-2015

#### a) Nomination to Staff development programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher Courses	09
HRD Programmes	22
Orientation Programmes	06
Staff training conducted by the University	13
Staff training conducted by other institutions	03
Summer/ Winter Schools, Workshops etc	18

#### Details of faculty participation in workshops/ seminars/ conferences (2008-2014)

Sl. No.	Department	No. of faculty participation as		
		Resource person	Paper presenter	Participant
1.	Mathematics / Statistics	2	20	6
2.	Physics	2	2	5
3.	Chemistry	7	15	14
4.	Botany		4	20
5.	English	4	14	18
6.	Economics/ Political Science	9	12	19
7.	History		2	2
8.	Commerce	6	10	1
9.	Physical Education			2

- b) The college has organised a number of faculty development/ training programmes, over the last five years to the benefit of its teaching staff. A list of such programmes is given below.

Sl. No	Title of the Programme	Date	Resource persons	Main focus the program-mme	No. of teachers attended
1.	NAAC sponsored Seminar on “Quest for Quality Education”	10-11 March 2010	Dr. Mariamma Varghese, Dr. Babu Joseph, Dr. MGS Narayanan, Dr. Cyriac Thomas etc.	Role of IQAC	50
2.	Orientation programme on “Faculty Enrichment”	08 Feb. 2010	Dr. P.C. Aniankunju	Quality in Education	70
3.	Quality in Higher Education: Strategies and Perspectives	04 Oct.2011	Dr. Tharsis Joseph	NAAC Reaccreditation	72
4.	Methodological Innovations in Science Learning	06-07 January 2011	Dr. Babu Joseph, Dr. A.M. Mathai, Dr. Thomas Mathew, Dr. N. Unnikrishnan	Betterment of Science teaching	48
5.	Methodology of Social Sciences	22-23 August 2011	Dr. S. Muraleedharan, Dr. P.G. Haridas, Dr. M.S. Vijayakumari	Betterment of Social Science teaching	26
6.	Quality Enhancement in Higher Education	10 August 2012	Prof. K.P.Philip	NAAC Reaccreditation	70
7.	Motivation of Teachers	01 October 2012	Rev. Dr. George Oliappuram	NAAC Reaccreditation	84
8.	Faculty Development of Young Teachers	17-18 May 2013	Sri. T.P. Sreenivasan, Sri. T.K. Thomas	Faculty Development	44

9.	Animation Programme for Teachers: Good to Great	11 Oct. 2013	Dr. Tomy Cherian	Faculty Development	76
10.	Orientation Programme for teachers	10 Oct. 2013	Fr. Jacob Naluparayil	Faculty Development	62

### c) Participation of Teachers in External Programmes

The college is blessed with a vibrant teaching faculty, interested to spread their knowledge to different parts of the world. Some of our teachers get invitation from outside the country also. A list of workshops/ seminars/ conferences to which our faculty were invited as resource persons is given below.

#### Faculty invited as resource persons in Workshops/ Seminars/ Conferences organised by external professional agencies

Sl. No	Name of the Teacher Invited as Resource Person & Department	Name of the Workshop/ Seminar/ Conference	Venue	Dates
<b>International</b>				
1.	Dr. T.M. Joseph Political Science	<i>International Conference on Religious Freedom</i>	European Parliament, Brussels	05 Oct. 2010
2.	Dr. Lovely Mathew Chemistry	<i>2 Nanosmart USA</i>	Rice University Houston, Texas, USA.	19-22 May 2014
3.	Dr. Lovely Mathew Chemistry	<i>Polycharr 22</i>	Stellen Bosch University, South Africa.	7-11 April 2014
4.	Dr. Lovely Mathew Chemistry	<i>Euro Biomat 2013</i>	Weimar Germany.	21-23 May 2013

<b>National</b>				
5.	Dr.T.M. Joseph Politics	Workshop on Electoral Laws, Reforms and Economic Development	Post Graduate Department of Economics, Sree Narayana College, Cherthala.	10 January 2014.
6.	Dr.T.M. Joseph Politics	Seminar on “Democracy In India: Recent Challenges”	Institute of Parliamentary Affairs, TVM	17 January 2013.
7.	Dr.T.M. Joseph Politics	National Seminar on “Water Management”	C. Achutha Menon Study Centre, TVM	21 -23 Dec. 2012.
8.	Dr.T.M. Joseph Politics	National Seminar on “Kerala Economy in Transition”	C. Achutha Menon Study Centre, TVM.	26 -28 July 2012.
9.	Dr.T.M. Joseph Politics	National Seminar on Electoral Reforms	C. Achutha Menon Study Centre & Library, and Indira Gandhi National Open University at TVM	8-10 July 2010.
10.	Dr.T.M. Joseph Politics	Round Table on Barriers to Participation in Panchayati Raj Institutions	Institute for Social and Economic Change, Bangalore.	June 28, 2010.
11.	Dr.T.M. Joseph Politics	National Conference on “Issues Before the Finance Commission: Empowering the PRI”	Institute For Rural Management (IRMA), Anand, Gujarat.	22-23 Dec. 2008
12.	Dr.T.M. Joseph Politics	National Seminar on Recent Advances in Social Work	School of Gandhian Thought and Development Studies, M.G.U	On 21 Feb. 2008

13.	Dr.T.M. Joseph Politics	Workshop on “Local Governance in ARC”	(KILA) And Decentralisation Forum, TVM.	20 <sup>th</sup> Feb. 2008
14.	Dr.Bejoy Thomas Chemistry	<i>Spectra 2014 National Conf. on Frontiers In NMR Spectroscopy</i>	St. Michael's College, Cherthala.	28-29 July 2011
15.	Dr. Jose Augustine English	M. T. Vadudevan Nair's Contribution to Film Industry	Sri Narayana College of Teacher Education, Muvattupuzha	18 Dec 2012
16.	Dr. Jose Augustine English	Screenplays of M. T. Vasudevan Nair	St. Joseph College Mulamattom	30 Jul 2009
17.	Dr. Jose Augustine English	M. T. Literature	Upasana Cultural Centre, Thodupuzha	7 Aug 2009
18.	Dr. Jose Augustine English	Re-Reading of New Generation Cinema	Govt. College Kattapana	28 Oct 2014
19.	Dr. Bijimol Thomas English	Challenges faced by Teachers in the Present Scenario	Bethlehem International Public School, Vazhakkulam	5 Jan 2012
20.	Dr. Bijimol Thomas English	Women and Emerging Social Force in the Society	Pavanathma College Murikkasserry	23 Sept 2009
21.	Princy Jacob English	Talk on Eco- Criticism	St. Thomas College, Pala	Jan 2011
22.	Dr. Krishnakumar M. V History	Inauguration of History Association	Henry Baker College, Melukavu.	26 July 2013



**d) Participation of Teachers in External Workshops/ Seminars/  
Conferences**

Sl. No	Name of the Teacher Participated & Dept.	Name of the Conference/ Seminar	Venue & Date
1.	Dr. Krishnakumar M. V History	“Indian Environmental Issues: Lessons From History”	St: Terasas College, Ernakulam. 25-26 Nov. 2013
2.	Dr. Krishnakumar M. V History	National Seminar	Government College, Tripunithura. 19-20 Nov. 2014
3.	Dr. Krishnakumar M. V History	National Seminar	Maharajas College, Ernakulam. 20-21 Nov. 2014
4.	Nancy Jacob Mathematics	National Seminar on “Algebra and Number Theory”	Pavanatma College, Murickassery. 3-5, Dec. 2014
5.	Dr. Jane A Luke Statistics	National Workshop, Basic Course in Transactional Analysis	Institute of Counselling and Transactional Analysis, Kochi January 27, 2013.
6.	Dr. Jane A Luke Statistics	Workshop on “Campus Faith Formation”	POC, Kochi, January 25-26, 2013,
7.	Nancy Jacob Mathematics	National Seminar on “Actuarial Science Cryptography and Geogebra”	Dept. of Mathematics, M. A. College, Kothamangalam. 14-15 March 2012
8.	Nancy Jacob Mathematics	Orientation Programme on “Women Empowerment”	Pavanatma College, Murickassery 10-11 Sept. 2012
9.	Dr. Jane A. Luke Statistics	National Workshop on “Science Information Literacy & Scholarly Writing”	Mahatma Gandhi University, Kottayam, Kerala. Jan. 17-19, 2012
10.	Dr. Jane A. Luke Statistics	National Workshop on “Minitab 15”	Dept. of Statistics, Nirmala College, MVPA 11-13, February 2010

11.	Dr. Jane A Luke Statistics	National Workshop on “Modern Applied Statistical Methods on Statistical Software”	Dept. of Statistics, Nirmala College, MVPA 24-26, Feb. 2009
12.	Dr. Jane A Luke Statistics	National Workshop on “SAS & SPSS”	Dept. of Statistics, St. Thomas College, Pala. June 23-25 2008
13.	Nancy Jacob Mathematics	Workshop on Methodology Courses,	St. Thomas College, Pala. 18,19 Nov. 2010
14.	Dr. Alice K.V Mathematics	National Seminar on Analysis and Differential Equations	Dept. of Mathe-matics, University of Calicut 26-27 June 2008
15.	Marykutty John Physics	Women Councelling Orientation Programme	Dept. of Student Service, M.G. University, Kottayam. 13-01-2011.
16.	Marykutty John Physics	“Optical Astronomy DATA Mining And Analysis”	IUCAA, Resource Centre,CUSAT,Cochin. 03-03 -2011 to 05-03- 2011.
17.	Marykutty John Physics	National Seminar on “Tensors and Non Linear Dynamics”	St Stephens College, Uzhavoor. 27-28 Nov 2008
18.	Dr. Joe Jacob Physics	Night Sky Photometer Fabrication Workshop	IUCAA, Pune. 6 Oct. 2010
19.	Dr. Joe Jacob Physics	Workshop on World Wide Telescope	IUCAA, Pune. 04 Sep. 2010
20.	Dr. Joe Jacob Physics	Office of Astronomy Development Stakeholders Meeting	Capetown, South Africa. 11-14 Dec.
21.	Dr. Joe Jacob Physics	Asia Pacific Regional IAU Meeting	Chiang, Thailand. July 26-29, 2011.
22.	Dr. Joe Jacob Physics	Low Frequency Radio Universe Conference	NCRA,Pune. Dec.8-13, 2008.

23.	Dr. George James T Physics	National Conference on “Nanophoto-nic Materials”	CUSAT, Kochi. 10 -12 October 2008.
24.	Dr. George James T Physics	National Seminar on “Nanoscience and Technology”	FMN College, Kollam. 23-25 March 2009.
25.	Dr. George James T Physics	Intl. Conf. on “Emerging Trends in Electronic and Photonic Devices and Systems”	BHU, Varanasi. 22-24 Dec 2009.
26.	Dr. George James T Physics	International Conference on “Synthesis, Characteri-zation, Consolidation and Modelling of Nano- materials”	PSG College Coimbatore. 5-6 March 2010.
27.	Dr. George James T Physics	International Conference on “Nanomaterials: Synthesis, Characteri-zation and Application” (ICN)	M G University, Kottayam. 27-29 April 2010.
28.	Dr. George James T Physics	International Conference on “Materials Science and Technology” (ICMST) 2012	Department of Physics, St. Thomas College, Palai. June 10-14, 2012.
29.	Thampi Varghese Zoology	Seminar on “Bioinformatics”	Maharajas College, EKM. 13-14 Jan. 2011
30.	Laly Paul Zoology	Workshop on “Alternatives to The Use of Animals in Life Science Education”	Nirmala College, Muvattupuzha. 7 Jan. 2011.
31.	Laly Paul Zoology	“Modern Biological Techniques and Bioinformatics”	Baselius College, Kottayam. 11-13 Aug. 2011.
32.	Laly Paul Zoology	Workshop on “Bioinformatics and Biostatistics”	TIES, Kottayam. 20 Dec. 2011.
33.	Benny Mathew Physical Education	One Day Seminar in “New Trends in Cricket”	Ernakulam. 25 Feb. 2010.
34.	Dr. Thomson Joseph Physical Education	One Day Seminar in “New Trends in Cricket”	Ernakulam. 25 Feb. 2010.

35.	Dr. Thomson Joseph Physical Education	“Literary Digital Age”	BK College, Amalagiri. Oct. 24,25 2011
36.	Sr. Leena P Kuriakose English	Workshop on “Resource Building for Gender Sensitization in Higher Education”	Kerala State Higher Education Council, TVM 28 Feb to 1 March 2015.
37.	Sr. Leena P Kuriakose English	National Workshop on “New Evangelisation in College Campuses”	Mount St. Thomas, Kakkanad, Kochi. 13-15 March 2015.
38.	Sr. Leena P Kuriakose English	Training Programme for the Youth Animators	Naveditha, Angamaly. 12-14 Nov. 2013.
39.	Princy Jacob English	UGC Sponsored National Seminar on “Green Words For A Green World: Co-consciousness in Literature”	PSGR Krishnammal College for Women, Coimbatore. 12th Feb 2013.
40.	Dr. George Sebastian English	National Seminar on “Language Literature & Publishing”	National Book Trust India and Mahatma Gandhi Sahitya Academy and Kerala Government PRD, MG University, Kottayam. 12 January 2015.
41.	Dr. Nibu Thomson English	Conference on “American Studies”	St.Thomas College, Pala. 26, 27 July 2010.
42.	Dr.Jose Augustine English	National Seminar on “Issues and Concerns”	Govt. College, Kattappana. 8-9 March 2012.
43.	Dr.Jose Augustine English	National Workshop on “Women’s Higher Education Institutions: Impacts, Influences and Challenges”	S.H College, Chalakkudy. 8-9 March 2012.
44.	Dr.Jose Augustine English	Seminar on “Post Colonial Literatures and Theory: Issues and Concerns”	Govt. College, Kottayam. 8-9 March 2013.
45.	Dr.Jose Augustine English	Bharathia Soundarya Darsanam	SS University, Kalady. 25 August 2011
46.	Dr.Jose Augustine English	Seminar on “G. Smaraka Jnanapeeda Puraskara Prabhashana Parampara”	Maharaja’s College, Ernakulam 10-11 August 2011.

47.	Dr. Jose Augustine English	Conference on “Indo-US Relations in 21st Century”	St. Thomas College, Pala. 27-28 July 2011
48.	Dr. Jose Augustine English	Seminar on “Creativity in The Era of Globalisation”	CUSAT, Cochin. 13-14 March 2013
49.	Dr. Jose Augustine English	Seminar on “Film and Popular Culture in The Indian Context”	Govt. College, Thripunithra. 8 January 2014.
50.	Dr. Jose Augustine English	Seminar on “Janapriya Samskaram : Sidhantham and Prayogam”	Nirmala College, Muvattupuzha. 12- 14 August 2010.
51.	Dr. Jose Augustine English	Workshop on “General Informatics”	BPC College, Piravam. 1- 3 Dec. 2010.
52.	Dr. Jose Augustine English	National Seminar on “A Perspective on Indian Cinema and the Literary Values”	St. Albert’s College, Ernakulam. 7-8 February 2010
53.	Dr. Jerome K. Jose English	International Conference on “Enriching the Life”	Periyar Uty. Selam 3-4 Sep. 2012
54.	Dr. Jeorme K. Jose English	International Conference on “Traditions of Dissent in Subcontinental Literatures and Cultures”	Central Uty. Kasargod 15-17 Oct. 2012
55.	Dr. T.M. Joseph Political Science	Conference on “The Governance of Higher Education: Issues of Quality, Excellence and Equity”	Council of Principals of Colleges, Kerala. 23-24 April 2014
56.	Dr. T.M. Joseph Political Science	International Conference on “Emerging: Strategic Options in The New Century”	Mahatma Gandhi University, Kottayam. 26-28 Feb., 2008.
57.	Sony Kuriakose Commerce	All India Commerce Conference of Indian Commerce Association	Maharshi Dayanand Saraswati University, Ajmer. 10-12, Oct., 09
58.	Sony Kuriakose Commerce	National Seminar on “Innovations in Finance”	Department of Commerce Calicut University. 9-10, Feb. 2010.
59.	Sony Kuriakose Commerce	Orientation Programme on “Open and Distance Learning: Dynamics of Course Design, Development and Delivery”	By Staff Training and Research Institute of Distance Education, IGNOU, New Delhi. May 21 - 30, 2008.
60.	Sony Kuriakose Commerce	“Training Cum Workshop on Research Methods”	Inter University Consortium- TEFED, IGNOU. 1-3 Feb. 2011.

61.	Dr. Leena John Botany	Seminar on “Biodiversity and Conservation of Nature”	St. Joseph’s College, Irinjalakuda. 23 & 24 August, 2011.
62.	Dr. Leena John Botany	International Seminar on “Cell & Molecular Biology”	Nirmala College, Muvattupuzha. 16 & 17 Dec., 2011.
63.	Dr. Leena John Botany	Seminar on “Recent Trends and Prospects of Biodiversity and Conservation”, Biofest 2012,	Sree Narayana College, Punalur. 15 & 16 March, 2012.
64.	Dr. Leena John Botany	Seminar on “Beneficial Fungi with Special Reference to Mushroom Cultivation”.	Nirmala College, Muvattupuzha. 4 & 5 Dec. 2014.
65.	Dr.Saju Abraham Botany	Seminar on “Inter-Active Meeting on Environmental Concerns”	Dept. of Environment and Climate Change 2 Feb., 2011.
66.	Dr.Saju Abraham Botany	Seminar on “Biodiversity Conservation and Education”	Govt. H. S. S., Thodupuzha. 14 Feb., 2011.
67.	Dr.Saju Abraham Botany	Workshop on “Lead Poisoning and Hazardous Waste Management”	NRHM, Kerala. 20 July, 2011.
68.	Dr.Saju Abraham Botany	International Conference on “Responsible Tourism”	Nirmala College, Muvattupuzha. 5-7 Dec. 2011.
69.	Dr.Saju Abraham Botany	International Seminar on “Cell & Molecular Biology”	Nirmala College, Muvattu-puzha. 16 & 17 Dec., 2011.
70.	Dr.Saju Abraham Botany	Training Programme - Communication and Capacity Development Unit (CCDU), Water Resources Department, Govt. of Kerala	Mar Ivanios College, TVM. 23 January, 2013.
71.	Dr.Saju Abraham Botany	Participated Training of Trainers in the Subject “Employability Skills through Life Skills Approaches”	Rajiv Gandhi National Institute of Youth Development and NSS Regional Centre, TVM 28 Nov- 02 Dec. 2014
72.	Ms. Sindhu Rachel Joy Botany	Seminar on “Ecology & Spirituality: Divergent Perspectives”	Inter- Religious Study Forum, Deva Matha College, Kuravilangad. 19th August 2010.
73.	Ms. Sindhu Rachel Joy Botany	Orientation Programme on “The Role of Teacher as Mentor and Motivator”	Deva Matha College, Kuravilangad. 19 Feb., 2011.

74.	Ms. Sindhu Rachel Joy Botany	National Conference on “Bioprospecting of Plant Genetic Resources of Western Ghats”	St. Thomas College, Pala. 22 & 23 Nov. 2011.
75.	Ms. Sindhu Rachel Joy Botany	International Seminar on “Cell & Molecular Biology”	Nirmala College, Muvattupuzha. 16 & 17 Dec. 2011.
76.	Ms. Sindhu Rachel Joy Botany	Seminar on “Emerging Trends in Quality Education: The Road Ahead”,	Deva Matha College, Kuravil-angad. 26 & 27 June 2014.
77.	Ms. Sindhu Rachel Joy Botany	Seminar on “Beneficial Fungi with Special Reference to Mushroom Cultivation	Nirmala College, Muvattupuzha. 4 & 5 Dec. 2014.

**e) Presentation of Papers in Workshops/ Seminars/ Conferences  
Conducted by External Agencies**

Sl. No.	Name of the Faculty & Dept.	Name of The Seminar	Title of The Paper	Venue & Dates
1.	Dr. Krishnakumar M. V History	Indian Environmental Issues: Lessons from History	<i>“Political Ecology of Forestry in The Andaman Islands”</i>	St. Terasa’s College, EKM 25-26 Nov. 2013
2.	Dr. Jane A. Luke Statistics	International Conference on Stochastic Modeling	<i>“Confidence Intervals for Process Capability Indices Under One-Way Random Effects Model”</i>	Dept. of Statistics & Biostatistics, St. Thomas College, Pala. 3-4, Jan 2014
3.	Dr. Jane A. Luke Statistics	National Seminar on Mathematics With Applications To Statistics	<i>“On Process Capability Indices and Autocorrelated Data”</i>	Dept. of Mathematics & Statistics, Vimala College, Trichur. 22-23, Aug 2014
4.	Dr. Jane A. Luke Statistics	National Seminar on Statistical Theory and Applications	<i>“Process Capability Indices : A Tool for Selecting The Optimal Supplier”</i>	Dept. of Statistics & Biostatistics, St. Thomas College, Pala. 15-16, Mar. 2013

5.	Dr. Jane A. Luke Statistics	International Conference on Statistics and Information Analytics	<i>"Selecting A Better Supplier Using Generalized Confidence Intervals Method"</i>	Loyola College, Chennai, Tamilnadu. 23-25, Aug 2012
6.	Dr. Jane A. Luke Statistics	International Conference on Epidemiology Infectious Disease	<i>"A Study on Data Using Bootstrap Technique"</i>	Department of Statistics St. Thomas College, Pala, Kerala. 16-18 Aug, 2012
7.	Dr. Jane A. Luke Statistics	National Conference on Statistics For Twenty-First Century	<i>"Optimal Selection of Suppliers Using Generalized Pivotal Quantity Method: A New Approach"</i>	University of Kerala, Trivandrum Dec. 10-12, 2012
8.	Dr. Jane A. Luke Statistics	National Seminar on Algebra, Number Theory and Discrete Mathematics	<i>"Process Capability Analysis Based on Fuzzy Approach"</i>	Govt. College, Kattappana, Nov 28-30, 2012
9.	Dr. Jane A. Luke Statistics	National Seminar on Recent Advances in Statistics and Related Areas	<i>"Confidence Intervals For Process Capability Indices Using Fuzzy Approach"</i>	University of Calicut March 15-17, 2012
10.	Dr. Jane A. Luke Statistics	National Seminar on Recent Advances in Computational Statistics	<i>"Optimal Selection of Suppliers Using Confidence Intervals for Process Capability Indices"</i>	Bharathidasan University, Tiruchirappalli, Tamilnadu. Feb 17-18, 2012
11.	Dr. Jane A. Luke Statistics	International Conference in Statistics, Probability and Related Areas	<i>"Process Capability Indices for Autocorrelated data"</i>	CUSAT, Kochi Dec. 19-22, 2011



12.	Dr. Jane A. Luke Statistics	International Conference on Statistics and Information Analytics	<i>“On Confidence Intervals for Process Capability Indices with Respect to Unbalanced One- Way Random Effect Model”</i>	Loyola College, Chennai, Tamilnadu, Aug 25-27, 2011
13.	Dr. Jane A. Luke Statistics	International Conference on Mathematical Sciences in Honour of Professor A.M. Mathai,	<i>“Calibrated Generalized Confidence Intervals for Process Capability Indices in The One-Way Random Model”</i>	St. Thomas College, Pala, Kerala. Jan. 3–5, 2011
14.	Dr. Jane A. Luke Statistics	National Conference on Advances in Statistical Theory and Applications	<i>“Confidence Intervals for Process Capability Index Cpk in the One- Way Random Model Using Satterthwaite’s Method”</i>	Bangalore University. Nov. 16-18, 2011
15.	Dr. Jane A. Luke Statistics	National Seminar on Discrete Mathematics and Computational Statistics	<i>“Bootstrap Calibrated Generalized Confidence Intervals For Process Capability Index Cpk Model”</i>	Bishop Kurialacherry College For Women, Kottayam, Kerala. June 23-24, 2011
16.	Dr. Jane A. Luke Statistics	Seminar On New Trends in Applied Statistical Methodology	<i>“Calculation of Generalized Confidence Intervals and Process Capability Indices for Variance Components in Two-Way Random Effect Model with Balanced Data”</i>	Nirmala College, MVPA, Kerala. Feb.25-27, 2010

17.	Dr. Jane A. Luke Statistics	International Conference on Statistics and Information Analytics (ICSIA-2010)	<i>“Process Capability Indices and Generalized Confidence Intervals in General Random or Mixed Effect Model with Balanced Data”</i>	Loyola College, Chennai, Tamilnadu, Jan. 11-13, 2010
18.	Xavier Kurian P. Economics	National Seminar on FDI in Multi- Retail Sector	<i>“FDI in Retail Sector”</i>	Mar Athenesius College, Kothamangalam. 7-8 March 2013
19.	Xavier Kurian P. Economics	National Seminar on Indias Economic Growth-Energt Services	<i>“Energy Crisis in India”</i>	K.E. College, Mannanam. Aug 20 And 21,2013
20.	Liji George Economics	Seminar on FDI in MBRT in India – Issues and Challenges.	<i>“FDI in MBRT: Is It A Decision At The Right Time? : An Analysis”</i>	M A College, Kothamangalam. 7-8 March 2013
21.	Liji George Economics	Seminar on GST	<i>“Desirability of Goods and Service Tax: an Analysis”</i>	M A College, Kothamangalam. 8-9 Feb. 2012
22.	Sr. Leena P Kuriakose English	National Seminar on Other Discourses of Difference	<i>“Voice From the Margins Breaks the Strictures of Society: A Critical Study of Bama’s Sangati”</i>	Carmel College, Mala. 30 -31 Dec 2014
23.	Princy Jacob English	National Seminar on Green Perception: Ecology and Texts	<i>“Kate Soper’s Ecocritical Principles And Their Reverberations”</i>	Dept. of English St. Paul’s College, Kalamassery. 15-16 Sep 2011
24.	Princy Jacob English	National Seminar on Literature and Environment	<i>“Narrating the Parallel Narratives: Juxtaposition of Feminist and Ecocritical Discourses”</i>	Sree Sankara Sanskrit University, Kalady. 25-27 March 2013

25.	Dr. George Sebastian English	National Seminar on Comparative Literature	<i>"Sarcasm and Subversion: The Structure and Politics of Tintumon Jokes"</i>	School of Letters, M G University, Kottayam. 25 - 27 March 2014
26.	Dr. George Sebastian English	National Seminar on "Space"	<i>"Evils of Eve : The Sexual Stereotypes in Detective Narratives"</i>	BCM College KTM Jan 2014
27.	Dr. Nibu Thomson English	National Seminar on Media and Culture: Creations And Trans Creations	<i>"Construction of Psychosocial Identities: an Eriksonian Approach to Cultural Analysis"</i>	Dept. of English, St. Xavier's College for Women, Aluva. 24&25 Sep. 2014
28.	Dr. Nibu Thomson English	National Seminar on "Cultural Studies"	<i>"The Inescapable Dilemma of The Black American"</i>	Mar Thoma College, Thiruvalla. 23,24 Sept. 2010
29.	Dr. Nibu Thomson English	National Seminar on Ethnicity and Gender	<i>"Colonised Consciousness of Black American"</i>	Osmania University Hyderabad 26-27 August 2010
30.	Dr. Jose Augustine English	National Seminar on Teaching of ES: A Global Perspective	<i>"Reading and Digesting English"</i>	Tulsiramji Gaikwad-Patil, College of Engineering & Technology . 22-23 & 24 Feb. 2012.
31.	Dr. Jose Augustine English	National Seminar on The Feminine Self: Discourses And Practices	<i>"Kuttiyadathy as a Rebel: Reactionary Elements in M.T Vasudevan's Film"</i>	T. M Jacob's Memorial Govt. College, Manimalakkunnu. 8 Nov 2013.
32.	Dr. Jerome K. Jose English	International Conference on "Enriching the Life"	<i>The Poetics of Muduvan Oratures: Life, Culture and Identity</i>	Periayr Uty, Selam 3-4 Sept. 2012

33.	Dr. Jeorme K. Jose English	International Conference on “Traditions of Dissent in Subcontinental Literatures and Cultures”	<i>Divergent Voices and Epistemological Interests: New Dimension of Muduvan Oratures</i>	Central Uty. Kasargod 15-17 Oct. 2012
34.	Dr.T.M. Joseph Politics	Workshop on Electoral Laws, Reforms and Economic Development	<i>“Democracy and Quality of Governance: does Electoral System Matter?”</i>	Sree Narayana College, Cherthala. 10 Jan 2014.
35.	Dr.T.M. Joseph Politics	State Level Seminar on “Democracy in India: Recent Challenges”	<i>“Communal Tolerance and Democratisation in India”</i>	St. Stephen’s College, Uzhavoor. 17 Jan 2013.
36.	Dr.T.M. Joseph Politics	National Seminar on “Water Management”	<i>“Water Rights in India: Revisiting The State Role”</i>	C. Achutha Menon Study Centre & Library at TVM 21-23 Dec 2012.
37.	Dr.T.M. Joseph Politics	National Seminar on Kerala Economy in Transition”	<i>“Discourses In Natural Resources Management in Kerala”</i>	C. Achutha Menon Study Centre & Library, TVM. 26-28 July 2012.
38.	Dr.T.M. Joseph Politics	National Seminar on Electoral Reforms	<i>“Democracy and Good Governance: Does Electoral System Matter?”</i>	C. Achutha Menon Study Centre & Library, TVM 8-10 July 2010.
39.	Dr.T.M. Joseph Politics	Round Table on Barriers to Participation in Panchayati Raj Institutions”	<i>“Elite Capture in Local Governments: Some Observations from Kerala”</i>	ISEC, Bangalore June 28, 2010.
40.	Dr.T.M. Joseph Politics	National Conference on “Issues before the Finance Commission”	<i>“Financial Devolution to Local governments”</i>	Institute for Rural Management (IRMA), Anand, Gujarat. 22-23 Dec, 2008
41.	Dr.T.M. Joseph Politics	National Seminar On Recent Advances In Social Work	<i>“The New Paradigm of Governance: Local Dynamics and Initiatives”</i>	School of Gandhian Thought and Development Studies, M.G.U 21 Feb. 2008

42.	Dr.T.M. Joseph Politics	Workshop On “Local Governance in ARC”	<i>“The Core Principles of The II ARC Report on Local Governance “</i>	KILA and Decentralisation forum, TVM. 20 Feb 2008
43.	Sony Kuriakose Commerce	National Conference	<i>“India&amp; Global Financial Crisis- Recession to Resurgence”</i>	IC W A of India and Nirmala College, MVPA. 6-7 Jan 2011
44.	Sony Kuriakose Commerce	ICSSR Sponsored National Conference	<i>“Indian Banking: Managing Transformation in Globalization &amp; Information Technology Era”</i>	D.A. V College, Malout, Punjab. 4-5 March 2011
45.	Divya James Commerce	International Conference on Innovations in Manage ment practices	<i>“Bancassurance - A Study on the Potential for Synergy”</i>	Dept. of Management Studies, Kristu Jayanti College, Bangalore. 20-21, April 2012
46.	Divya James Commerce	National Seminar on “Financial Sector Reforms”	<i>“Bancassurance Implication of Basel II on Indian Banks”</i>	Dept. of Commerce University of Kerala. 23-24 Feb 2012
47.	Beena Deepthi Louis Commerce	SIFICO National Conference	<i>“Private Equity and Venture Capital in India</i>	SIMSR, Mumbai. 16 Feb 12012
48.	Dr. Leena John Botany	National Seminar on “Biodiversity and Conservation of Nature”	<i>“Palynological Studies on The South Indian Onagraceae”</i>	Dept. of Botany, St. Joseph’s College, Irinjalakuda. 23-24 Aug 2011
49.	Dr. Leena John Botany	International seminar on “Cell & Molecular Biology”	<i>“Palynology-An Overview”</i>	Dept. of Botany, Nirmala College, MVPA. 16-17 Dec., 2011
50.	Dr. Leena John Botany	National Seminar on Recent Trends and Prospects of Biodiversity and conservation”	<i>“South Indian Lecythidaceae – A Pollen Morphological Analysis”</i>	Sree Narayana College, Punalur. 15-16 Mar. 2012

51.	Dr. Leena John Botany	National Seminar Cum Workshop on Plant Systematics and Herbarium Techniques	<i>“Palynological Studies of The Family Rhizophoraceae in Kerala”</i>	Dept. of Botany, KKTU Govt. College, Kodungallur. 24 Sep. 2014
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#### 2.4.4 Strategies for the promotion of teacher quality

The college management gives top priority to the academic enrichment of its teachers. With this perspective, teachers are increasingly motivated to take up research projects, present papers in academic conferences and publish papers in academic journals. An outcome of this policy could be discerned from the fact that 29 major/minor research projects are currently running in the college with the financial assistance of UGC/ICSSR/KSCSTE. Dr. Lovely Mathew P. of Chemistry department took part in the faculty recharge programme of FCBS organised by JNCSE, Bangalore in 2011, 2012 and 2013. Teachers are frequently sanctioned duty leave to present papers in external workshops/ seminars/ conferences. Whenever a teacher makes some contribution in the field of research, he/she is complimented in the form of references in general staff meetings.

#### 2.4.5 Contribution to academic excellence

Congratulatory notes have proved to be fruitful in promoting an academic culture in the institution. As a result, one of our teachers, Dr. Lovely Mathew, had won the best presentation award in an international conference held in Germany. It is also important to note that the Principal of the College Dr. T.M. Joseph got the rare privilege of addressing the European Parliament at Brussels on 05 October 2010 as the sole representative of India on the topic “Religious Freedom in India” in an international conference.

### Awards/ Recognition by the faculty

Sl. No.	Faculty & Department	Description of the award/ recognition
1.	Benny Mathew Phy. Edn.	Best NSS Programme Officer of MG. University during 2010-2011
2.	Sony Kuriakose Commerce	Prof. T.S. Grewal award for best paper instituted by Shaheed Bhagat Singh College, Delhi University in 2012
3.	Dr. Alice K.V Mathematics	Best NSS Programme officer award by DMO Idukki during 2013-2014
4.	Dr. K. V. Dominic English	Life Time Achievement Award from International Poet's Academy Chennai on 9 July 2009
5.	Dr. Sr. Alphonsa P. O. English	Ph. D. from MG University, Kottayam, 2011
6.	Dr. Bjimol Thomas English	Ph. D. from M.G. University 2009
7.	Dr. Jose Augustine English	Ph.D from CUSAT 2015
8.	Dr. Leena John Botany	Ph.D. from M.G. University in 2014
9.	Dr. Saju Abraham Botany	Best NSS Programme officer of M.G. University during 2012-2013, 2013-2014
10.	Dr. Saju Abraham Botany	Nominated to technical advisory committee as the member of Biodiversity Board, Idukki
11.	Dr. Saju Abraham Botany	Selection committee member of Nehru Yuva Kendra for the selection of best youth club
12.	Ms. Sindhu Rahchel Joy Botany	Question paper setter for Kerala University Degree Exam, Plant Anatomy Paper 2012
13.	Dr. Stephen Joseph Botany	National Executive Council Member of the Society of Cytologists and Geneticists
14.	Dr. Stephen Joseph Botany	Life Member, Society for Biotechnologies, India
15.	Dr. Stephen Joseph Botany	Secretary, Institute for National Integration and religious Harmony, TVM
16.	Dr. Joe Jacob Physics	Visiting Associateship of IUCAA, PUNE
17.	Dr. Joe Jacob Physics	Life member of Indian Physics Association

#### 2.4.6 Feedback Mechanism and Quality Improvement

The college believes in academic accountability to the society at large. *This can be achieved only by ensuring better performance of our*

teaching staff. For this purpose, an evaluation is done at the management level. The management constitutes a committee, which visits the college, interacts with each and every teacher. Every teacher has to present his/her achievements or credentials before the committee which in turn will suggest corrective measures, if needed. These exercises have had an impact on improving the teaching-learning process in the institution.

## **2.5 Evaluation Process and Reforms**

### **2.5.1 Awareness about evaluation process**

The evaluation (examination) process is designed and conducted by the parent University. The college is to merely execute the decisions of the University. All information about the conduct of examinations are communicated to the teachers and students through public address system and notice boards.

### **2.5.2 Evaluation reforms**

The college has implemented all evaluation reforms proposed by the University in its fullest sense. The University has implemented the choice-based credit and semester system. The college goes in tune with all the norms of the university in the evaluation reforms, as far as the semester system is concerned. The re-introduction of marking system in degree examinations is adopted by the college in the conduct of internal evaluations. As the college is not given autonomous status, it is not entitled to adopt its own evaluation pattern.

### **2.5.3 Implementation of the evaluation reforms**

The college has evolved an effective mechanism to implement the evaluation reforms of the university. It has a full fledged examination wing under the headship of Chief Superintendent of Examinations. He is assisted by a Senior Assistant and such other staff designated by the Principal. The Chief Superintendent of Examinations has full authority in the conduct of examinations. The examination system is functioning in the college in a foolproof manner.



One major step adopted by the college in the conduct of internal evaluation is the centralised way of conducting it. Internal assessments are supposed to be conducted within the individual class rooms. But in order to ensure its accountability and transparency, the staff council has always taken a position to conduct it in a centralised manner, so that both the teachers and students take it seriously.

#### **2.5.4 Measuring student achievement**

The system of internal assessment has proved to be having a durable impact on improving the academic ambience of the institution. The internal assessment is done on the basis of student's attendance, writing skills (assignment), presentation skills (seminar) and knowledge levels (test paper). As a result of this continuous evaluation process, students have had a serious approach towards their mission on the campus.

#### **2.5.5 Ensuring transparency in internal assessment**

It is to ensure seriousness and transparency in the internal assessment process; it is done in a centralised manner. Instead of completing it within the four walls of the class rooms, it is done with external invigilation. Therefore, the much needed seriousness is brought into the system. While making internal evaluation, due weightage is given to assess the behavioural pattern, independent thinking and communicative skills of the students. This is mostly done through the assignments and seminars carried out by the students.

#### **2.5.6 Self realisation of students' capabilities**

The very purpose of education is transforming a human person into a socially useful citizen of the country. This is what the college and the University expects from a graduate. To achieve this target, the college undertakes a number of curricular and extracurricular programmes on the campus, through which the students can realise their best.

### **2.5.7 Grievance redress mechanism**

It is expected that the evaluation of students is done in a transparent manner. To achieve this, the results of the internal assessments are published on the college notice board with proper announcement. The students who have got grievances on the results can first lodge a complaint with the Head of the concerned department. The department level grievance Redress mechanism consists of the Head, the dept. coordinator and the teacher in charge as members. If the complaint is not Redressed at that level, it can be taken to the college level Redress committee headed by the Principal and consists of HOD of the concerned department, dept. level co-ordinator, and a senior teacher nominated by the college council as members. If it is not resolved at that level too, the student can take the complaint to the University level Grievance Redress Committee. The university level committee consists of the Vice Chancellor as Chairman, and the Pro-Vice Chancellor, Convenor, Syndicate sub committee on students' discipline and welfare, Chairman, Board of Examinations as members and the Controller of Examinations as member secretary. The decision of the University level committee shall be treated as final.

## **2.6 Student Performance and Learning Outcomes**

### **2.6.1 Awareness about learning outcomes**

The college has better learning outcomes from the students. There is 90%-100% pass percentage in most of the academic programmes. The details of the results are properly communicated to the college community to boost the self esteem and to maintain the high standards.

### **2.6.2 Result analysis**

During the course of the programme, the progress and performance of the students are properly monitored and evaluated by the tutors and Heads of departments concerned. They often compliment the advanced

learners and suggest corrective measures for further development on the spot. Further, at least once in a year, each parent is invited to the college and the progress and performance of his/her ward is evaluated by the tutors in the presence of the student. This exercise has proved to be very fruitful in maintaining high standards of the learning process.

### **2.6.3 Facilitating the intended learning outcome**

The target set by the college administration to each academic programme is 90% -100% pass percentage. This message is conveyed to the staff and students in all the important meetings. As a result, everybody gets a feeling that they should achieve the target. When that target is not achieved, everybody takes it as something strange and odd. This sentiment acts as a deterrent to non-performance.

### **2.6.4 Making education socially and economically relevant**

The college believes in making the graduates suitable to face the challenges set by the social and economic realities of the world. With this perspective in mind, the college has evolved a mechanism to enhance the employability of its students. The career guidance and placement cell is functioning very well in the college giving awareness about the career options and helping students to get placements in various companies and banks. The UGC sponsored coaching classes for entry in services is very much in place. Coaching is given to the skill enhancement of students belonging to SC/ST, OBC, Minority (non-creamy layer) categories, absolutely free of cost. The Kerala government initiated novel programme called 'Additional Skill Acquisition Programme' (ASAP) is also of great help to the students aspiring to develop themselves. Started in 2013-2014, the ASAP aims at imparting additional skills like communicative skills and computational skills to the students. This programme is given free of cost to the students

belonging to BPL category, while a nominal charge is levied from non-BPL category.

In addition, the placement cell regularly conducts classes for Bank tests and PSC tests on payment basis. Students enthusiastically join such classes and take benefits out of it. Campus recruitment drives are initiated and a number of students got placement in reputed companies and banks. The following is a brief narration about the placements effected by the cell over the last four years.

Sl.No.	Name of Student placed	Company/ Firm recruited	Position	Year of recruitment
1.	Bennu Wilson	South Indian Bank	Clerk	2014
2.	Emmanuel Jose	„	Clerk	2014
3.	Ento J Puthooran	„	Clerk	2014
4.	Fenish K Francis	„	Clerk	2014
5.	Fredy Thomas	„	Clerk	2014
6.	Jino Jose	„	Clerk	2014
7.	Meenu Jose	„	Clerk	2014
8.	Naveen Benny	„	Clerk	2014
9.	Rijo James	„	Clerk	2014
10.	Varghese Antony	„	Clerk	2014
11.	Amal Jose	„	Clerk	2014
12.	Liya George	„	Clerk	2014
13.	Dennis James	„	Clerk	2014
14.	Tony Scariya	„	Clerk	2014
15.	Ann Minnu John	„	Clerk	2014
16.	John Samuel	„	Clerk	2014
17.	Ann Mariya George	„	Clerk	2014
18.	Geethu Mathew	„	Clerk	2014
19.	Asha Abraham	„	Clerk	2014
20.	Nimisha Mohan	„	Clerk	2014
21.	Sisira Rani Jose	„	Clerk	2014
22.	Chris Joseph	„	Clerk	2014
23.	Gijo P. Jose	„	Clerk	2014
24.	Roshan Paul	„	Clerk	2012
25.	Bibin Baby	„	Clerk	2012
26.	Krishna Priya S.	Federal Bank	Clerk	2014
27.	Rosmy Mathew	„	Clerk	2014

28.	Sruthi Manoj	„	Clerk	2014
29.	Gouri Krishna	„	Clerk	2014
30.	Abin Thomas	„	Clerk	2014
31.	Geo George	„	Clerk	2014
32.	Jinson Tomy	„	Clerk	2014
33.	Thomson Tom	„	Clerk	2014
34.	Athira A.R	„	Clerk	2014
35.	Chinchu K.M	„	Clerk	2014
36.	Swathy Krishna Prasannan	„	Clerk	2014
37.	Reshma V.M	„	Clerk	2014

The list of students who got selected to other jobs/ business establishments through campus placement drives is given below.

Sl. No	Name	Year	Company/ Firm recruited	Position
1.	Clint C. Kopram	2011-2012	HDFC Life Insurance	Sales Officer
2.	Tilgy Alosius	„	„	„
3.	Chithira P.R	„	„	„
4.	Shemeena Sulaiman	„	„	„
5.	Denny Brigit Joy	„	„	„
6.	Jolly George	„	„	„
7.	Divya Sasi	„	„	„
8.	Mathew Simon	„	„	„
9.	Febina Azeez	„	„	„
10.	Frenson P. Jose	„	„	„
11.	Rajani K.R.	„	„	„
12.	Asha Chandran	„	„	„
13.	Ronia Salas	„	„	„
14.	Sumi Mercy Chacko	„	„	„
15.	Linta Aloysius	„	„	„
16.	Aswathy Rajan	„	„	„
17.	Arun K. Prabhakaran	„	„	„
18.	Akhil Venu	„	„	„
19.	Angitha P. Thampan	2010-2011	First Sources Ltd., Coimbatore	Sales Officer
20.	Albin Thankachan	„	„	„
21.	Aditya R	„	„	„
22.	Anoop P.G	„	„	„
23.	Adorn P. Thomas	„	„	„
24.	Melbin Joseph	„	„	„

25.	Meenu K.S	„	„	„
26.	Rekha Mohanan	„	„	„
27.	Sunu Sajeev	„	„	„
28.	Vishnu Venugopal	„	„	„
29.	Sijo Sunnu	2011-2012	Eureka Forbus Ltd	Marketing Executive
30.	Syam Prasad	„	„	„
31.	Ajesh A.A	„	„	„
32.	Vishnu Sunil	„	„	„
33.	Mahesh K.M	„	„	„
34.	Dipin Sivan	„	„	„
35.	Midhun M.	„	„	„
36.	Bibin Paul	„	„	„
37.	Unais T.S.	„	„	„
38.	Vishnu Viswanathan	„	„	„
39.	John George	„	„	„
40.	Shanu Shams	„	„	„
41.	Vineesh P.V	„	„	„
42.	Ramzal Jabbar	„	„	„
43.	Jobin K.U	„	„	„
44.	Bimal Krishnan	„	„	„
45.	Melbin Thomas	„	„	„
46.	Abdul Azad A.N	„	„	„
47.	Vaisakh Vinu	„	„	„
48.	Fousia T.A	2014	Wipro	Operation Executive
49.	Sreelakshmi V. Nair	2014	„	„
50.	Amal Jose	2014	„	„
51.	Gopika Sabu	2014	„	„
52.	Faseela	2014	„	„
53.	Shibina Sakeer	2015	Infosys	Operation Executive
54.	Elizabeth Sebastian	„	„	„
55.	Jeena Augustine	„	„	„
56.	Sonia	„	„	„

The Entrepreneurship Development Club (ED Club) also functions well in the college. The cell undertakes industrial visits and motivates students to create jobs on their own. The idea driving the cell is that the students should become job creators rather than job seekers. The ED club regularly conducts food fest on the campus every year. On the occasion, students put up stalls on their own, prepare various food items

and sell them among teachers, students and public. The experience is that the students can earn good money in this exercise. The idea behind the food fest is that the students should become good entrepreneurs and they should learn to live on their own. This festival, started in 2008, is well received by the college community and general public.

To inculcate the culture of creative writing among students, the department level magazine competition is held every year. Each department is asked to publish a magazine on their own, fostering the artistic and literary talents of students. A narration of achievements and activities of the department during the year will be effectively portrayed in the departmental magazine. This is done as a competition and prizes are distributed to the best three magazines. The editor of the first prize winning magazine is named the Chief Editor of the college magazine. He is entrusted with the responsibility of publishing the college magazine for the ensuing year. This practice, also started in 2008, yields good response from the teachers and students.

#### **2.6.5 Overcoming barriers of learning**

The performance of students is assessed through two internal examinations held in each semester and the end semester external examination. The results of the internal and external examinations are properly recorded in the progress cards maintained by the class tutors. This acts as a ready reckoner of the progress and performance of each student. The parents' meeting will be convened at least once in a year and the progress card is presented before them. This is used as a tool to extract better performance from each student.

#### **2.6.6 Monitoring the learning outcome**

The college has a well knit mechanism to monitor the academic progress of each student. This is done mainly through the progress cards maintained by the tutors. The information recorded in the progress cards are shared with other teachers, parent and the student. Required

corrective measures are taken to ensure the improvement in the learning outcome of students.

#### 2.6.7 Linking learning outcome with student achievement

The college aims at creating an environment in which each student is capable of realising his best. For this purpose, several extra-curricular activities are planned and implemented. This gives the teachers an opportunity to spot the talents in each student and promote them to the maximum extent possible.

For example, immediately after the commencement of each academic programme, a talent hunt programme is arranged in the auditorium. The students are asked to perform on the stage any programme of their choice for three minutes. This enables the teachers to understand what is in store for each student. The programme titled “Three Minutes to Fame” has proved to be very successful in identifying the latent talents in each student.



## **CRITERION III**

### **RESEARCH, CONSULTANCY AND EXTENSION**

#### **3.1 Promotion of Research**

##### **3.1.1 Research Centres**

The college strives to have a research culture on its campus. Therefore, it promotes maximum research activities among its teachers. Two of its post-graduate departments, viz Physics and English are approved research centres of Mahatma Gandhi University. Another post-graduate department, Chemistry, is soon expected to be elevated to the status of a research centre by M.G. University.

##### **3.1.2 Research Promotion Committee**

The college has a research promotion committee to accentuate the research activities among its faculty. The committee is headed by the Principal of the college. It has a convenor and six other teachers nominated by the Principal. Care is taken to see that all members of the committee are Ph.D. holders. The function of the committee is to motivate teachers to pursue Ph.D. programmes and take up research projects. All proposals of major research projects are vetted and cleared by the committee before submitting to the funding agencies. One of the major recommendations made by the committee is to promote all young teachers (having less than five years of experience) to take up minor research projects sponsored by UGC. Accordingly, most of them have submitted proposals to UGC for minor research projects. Some of them have already got sanctioned. Another major decision is to motivate young teachers with Ph.D. to apply for major research projects. The research committee has also motivated all teachers to do Ph.D. under the Faculty Development Programme (FDP). Two teachers have completed Ph.D. during the last five years and another two are pursuing.

### 3.1.3 Implementation of the research projects

The college gives top most priority to the effective implementation of the research schemes/projects. Whenever a research project is sanctioned, the Principal Investigator of the project is warmly congratulated on his/her achievement, through public announcement. The principal investigator is given full freedom to carry out his/her project, without any intervention from the college authorities. Efforts are made to release the project amount to the project investigator in time. Whenever the principal investigator is in need of money, he/she will give a request to the Principal and the money will be released to him/her by the office from the sanctioned amount.

Adequate infrastructural facilities and human resources are also made available to the principal investigators. For the major research projects in Science departments, separate project rooms are allotted to house the project fellows and equipment. Though it is not formally possible to relax the teaching load of principal investigators, due consideration is given to them in adjusting their lecture classes to facilitate their library visits and field trips. They are sent to national and international seminars on duty. Due consideration is given to them in availing free time without compromising their teaching assignments.

All principal investigators of major research projects are given broadband enabled computer facilities in their project rooms. All information which are relevant to further their research pursuits are properly communicated to them in no time. Arrangements are also in place to properly audit the accounts of research projects and submit the utilisation certificates to the funding agencies in time. One senior faculty member is appointed as internal auditor and he oversees the fund utilisation patterns of principal investigators and the submission of utilisation certificates to the funding agencies in time.

Apart from the above, it is to be noted that all Science departments in the college are DST-FIST supported. The Department of Science and Technology, Govt. of India had sanctioned a handsome amount of Rs.90 lakh to the college under the scheme of “Facilities for the Improvement of Science and Technology (FIST) in Universities and Colleges”. The Science departments are very effectively implementing the scheme in the college.

#### **3.1.4 Promotion of research culture among students**

The college believes that true education is imparted when the students are motivated to pursue truth and facts. In this regard, the college arranges several lectures and seminars to orient students in pursuit of better knowledge. At least five national seminars are held, on an average, in an year on various topics. Ten endowment/ memorial lectures are instituted in the college. Very eminent personalities are delivering these lectures. A monthly lecture series is also held in the college. On every first Friday at 2.45 p.m. an eminent person gives a lecture in the college on a contemporary relevant topic. The National Science Day is celebrated every year on 28 February to develop scientific temper among students.

#### **3.1.5 Faculty involvement in research**

It is good to know that as many as 38% of the 68 regular faculty members hold Ph.D. degree. Five of them are guiding Ph.D. students. They are Dr. T.M. Joseph (Political Science), Dr. K.J. John (Statistics), Dr. Joe Jacob (Physics), Dr. Lovely Mathew P. (Chemistry), and Dr. Stephen Joseph (Botany). It is also to be noted that Dr. Joe Jacob of Physics Dept. was an Associate Fellow at Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune during 2008-2014. Dr. Lovely Mathew of Chemistry Department has engaged herself in

collaborative research projects with leading scientists in and outside the country.

It is heartening to see that 29 research projects have been undertaken in the college during 2009-2014. Eight of them are major research projects, while others are minor. An analysis of the faculty involvement in active research is given below.

#### Faculty Involvement in Active Research

Sl. No.	Faculty	Department	No. of Ph.Ds awarded during 2008-2014	No. of PhD. Students presently under the faculty	Research projects undertaken during 2008-2014
1.	Dr. T. M. Joseph	Political Science	03	07	Major 2
2.	Dr. A. P. Philip	Commerce			Major 1
3.	Sony Kuriakose	Commerce			Minor 1
4.	Prgageesh C. Mathew	Commerce			Minor 1
5.	Benny K.P	Commerce			Minor 1
6.	Dr. Johnson Varghese	Commerce			Minor 1
7.	Prof. Joy Mathew	Commerce			Minor 1
8.	Dr. Bejoy Thomas	Chemistry			Major- 1
9.	Dr. Lovely Mathew	Chemistry	1 submitted	07	Major -2 Minor -1
10.	Sona John	Chemistry			Minor -1
11.	Dr. K.V. Alice	Mathematics			Minor 1
12.	Prof. M.C. Thomas	Mathematics			Minor 1
13.	Dr. K.J. John	Statistics			Minor 1
14.	Prof. K.A. Benny	History			Minor-1

15.	Dr. Krishnakumar M.V	History			Major -1
16.	Ligi George	Economics			Minor -1
17.	Fr. Raju Jacob	Malayalam			Minor -1
18.	Dr. Ani Kurian	Zoology			Major -1
19.	Dr. Bijimol Thomas	English			Minor -1
20.	Princy Jacob	English			Minor-1
21.	K.V. Dominic	English			Minor- 1
22.	Dr. Joe Jacob	Physics		01	

### 3.1.6 Capacity building and promotion of research culture

The college has a culture of organising academic programmes on its campus. They are primarily intended to expand the knowledge base of teachers and students and also to sensitise them about the institutional goals and objectives. Such programmes are sufficient enough to spread the culture of research and thirst for knowledge among the teachers and students. A list of such programmes held over the last six years is given below.

#### Training/ Sensitisation Programmes Organised

Sl. No.	Title of the Programme	Dates	Funding Agency	Key Resource Persons	Expenditure incurred
1.	Women and Social Change	06-07 Nov. 2011	Corporate Educational Agency, Diocese of KLM	Sri. P.C. Cyriac, Dr. Mariamma Vincent, Prof. K.A. Aprem	Rs.50000
2.	Self Control and Personal Discipline	24 Feb. 2011	College	Dronacharya Prof. Sunny Thomas	Rs.20000
3.	Information Technology: Issues and Abuses	13 Sept. 2011	College	Smt. R. Nishanthini IPS	Rs.5000
4.	Animal Ethics	07 Oct. 2010	Forest Dept.	Dr. P.A. Easa Sri. A.G. Babu	Rs. 4000

5.	Media Ethics	06 Jan. 2012	College	Dr. K.S. Radhakrishnan	Rs.8000
6.	Environmental Hazards of Plastic	22 March 2012	College	Dr. C.M. Joy	Rs.5000
7.	Driving Etiquettes	16 Nov. 201	Motor Vehicle Dept.	Sri. V.M. Jabbar	Rs.2000
8.	Awareness against the use of Drugs and Liquors	20 July 2012	Janamaithri Police, Thodupuzha	Sri. Abdul Karim	Rs.2000
9.	Animal Welfare	30 Jan. 2013	SPCA, Idukki	Dr. P.K. Gopalakrishnan	Rs.2000

### 3.1.7 Research expertise with the institution

Some of our faculty members are actively engaged in advanced research. Their names and prioritised research areas are given below.

Name	Department	Research Area
Dr. Lovely Mathew P	Chemistry	Polymer Chemistry
Dr. Bejoy Thomas	Chemistry	Nano Sciences
Dr. T.M. Joseph	Political Science	Local Governance
Dr. Cincy George	Chemistry	Polymer Chemistry
Dr. Alex Joseph	Chemistry	Electroactive Polymer & Sensors
Dr. Joe Jacob	Physics	Astronomy and Astrophysics
Dr. George James T	Physics	Nano device Simulation, Quantum transport
Dr. Alice K.V	Mathematics	Differential Operators
Dr. Jane A. Luke	Statistics	Statistical Quality Control & Design of Experiments
Dr. A.P.Philip	Commerce	Financial Management
Dr. M.V. Krishnakumar	History	Environmental History

### 3.1.8 Attracting visiting scholars

With the purpose of attracting the nationally eminent scholars and researchers to the campus, the college has evolved the mechanism of organising national seminars and lectures on a regular basis. The college has instituted 10 memorial / endowment lectures over the last six years.

The following table gives the details of such lectures delivered in the college during the last six years.

Sl. No	Name of lecture (Year of institution is given in bracket)	Year of Lecture	Speakers (year wise)
1.	Rev. Dr. John Vallamattam Memorial Lecture (2005)	2009-2010	Sri. T.P. Sreenivasan
		2010-2011	Dr. D. Babu Paul
		2011-2012	Ms. Daya Bai
		2012-2013	Dr. N.R. Madhava Menon
		2013-2014	Soorya Krishna Moorthy
		2014-2015	Dr. B. Asok
2.	Prof. Francis Thonikuzhy Memorial Lecture (2005)	2009-2010	Dr. M.S. John
		2010-2011	Dr. M. Gopinath Reddy
		2011-2012	Dr. Pius Malekandam
		2012-2013	Prof. P.C. Roy
		2013-2014	Prof. Joy Joseph
		2014-2015	Dr. Jose Sebastian
3.	Newman Day Lecture (2008)	2009-2010	Justice K. Narayanakurup
		2010-2011	Sri. K.M. Roy
		2011-2012	Dr. Ruble Raj
		2012-2013	Adv. Charly Paul
		2013-2014	Fr. George Oliappuram
		2014-2015	Bishop Joshua Mar Ignathious
4.	Prof. U.V. John Memorial Lecture (2009)	2009-2010	Dr. Jacob John Kattakkayam
		2010-2011	Dr. Francis C. Peter
		2011-2012	Sri. P.T. Thomas M.P
		2012-2013	Sri. T.M. Abraham
		2013-2014	Sri. T.C. Mathew
		2014-2015	Sri. Joice George M.P
5.	Mar Mathew Pothanamuzhy Memorial Lecture (2010)	2010-2011	Bishop Mar Joseph Powathil
		2011-2012	Dr. V.N. Rajasekharan Pillai
		2012-2013	Dr. P.K. Michael Tharakan
		2013-2014	Sri. P.J. Kurian
		2014-2015	Dr. Tessy Thomas
6.	Prof. P.S. Cherian Memorial Lecture (2011)	2011-2012	Prof. M.R. Anantharaman
		2012-2013	Dr. P.K. Suresh
		2013-2014	Dr. A. Balachandran
		2014-2015	Dr. N. Udayasankar
7.	Prof. K.S. Tomy Endowment Lecture (2011)	2011-2012	Dr. Babu Joseph
		2012-2013	Dr. Ramesh Babu
		2013-2014	Dr. Suresh Vettoor

8.	Prof. V.A. Mathew Memorial Lecture (2013)	2012-2013	Dr. C. Gouri
		2013-2014	Dr. Prathapan
		2014-2015	Dr. Anoop
9.	Prof. V.M. Ouseph Memorial Lecture (2013)	2012-2013	Dr. Biju Thomas
		2013-2014	Dr. Oommen V. Oommen
		2014-2015	Dr. Jacob John Kattakayam
10.	Mar George Punnakottil Sacerdotal Golden Jubilee Memorial Lecture (2013)	2012-2013	Dr. Cyriac Thomas
		2013-2014	Dr. D. Babu Paul
		2014-2015	Bishop Thomas Mar Athanasious
11.	Fr. Paul Tharaniyil Memorial Lecture (2014)	2014-2015	Dr. O.T. George
12.	Science Day Lecture (2011)	2010-2011	Dr. Minu Joy
		2011-2012	Dr. S. Sankararaman
		2012-2013	Dr. Shyla Raj K.S
		2013-2014	Dr. Kuruvilla Joseph
		2014-2015	Dr. Ison V. Vanchipurackal
13.	Annual Day Lecture (2009)	2010-2011	Sri. John Paul
		2013-2014	Dr. M.C. Dileep Kumar
		2014-2015	Sri. Tini Tom

In addition to the above annual lectures, the college initiated **Newman Monthly Lecture Series** in 2013. These lectures are held on every first Friday at 2.45 p.m. They are organised in association with the Newman Old Students Association (NOSA) and the Former Faculty Forum (FFF). This programme is open to the general public also. The following table gives us the list of monthly lectures delivered since its launching in 2013.

Sl. No	Date	Name	Topic of Lecture
1.	01-02-2013	Prof. M.K. Prasad	Global Warming and Climate Change
2.	01-03-2013	Rev. Dr. Sebastian Kochupurackal	Gadgil Committee Recommendations, Some Concerns



3.	05-04-2013	Dr. John Pulparambil	Strategies for Improving Quality in Higher Education
4.	03-05-2013	Dr. John Pulimottil	Sujoku Therapy
5.	07-06-2013	Dr. Augustine Thomas	Bio-Energy Healing
6.	05-07-2013	Sri. Sasi B. Mattam	Energy Saving
7.	06-09-2013	Dr. Joseph Thottathimyalil	Influence of Synthetic Polymers in Humanities
8.	04-10-2013	Sri. S. Mathew	Solar Energy
9.	01-11-2013	Dr. Giji Thomas	Man-Animal Conflict
10.	06-12-2013	Sri. John Muzhuthettu	Secrets of Creativity
11.	07-02-2014	Sri. Babu Pallippatt	Gandhian Values in Youth Development
12.	07-03-2014	Prof. M.R. Bose	Ham Radio Communication
13.	04-07-2014	Prof. P.G. Haridas	Youth and Character Crisis
14.	01-08-2014	Sri. Issac Joseph Kottukappally	The Spirit of Entrepreneurship and the Integral Development of Human Personality
15.	01-10-2014	Dr. Thomas C. Abraham	Ageing Gracefully
16.	07-11-2014	Dr. P.C. Achankunju	Human Rights
17.	09-12-2014	Dr. K.J. Joseph	Organic Farming
18.	09-01-2015	Sri. Charu Nivedita	Cultural Identity
19.	12-02-2015	Dr. N. Ramalingam	Goods and Service Tax

Apart from these lectures, the college has taken pains to organise several national seminars under the auspices of various departments. The following table gives us a brief list of national seminars / workshops organised over the last six years.

#### Department of Commerce

Sl No	Title of the Seminar	Dates	Sponsoring agency	Amount Allotted
1.	National Seminar on Indian Capital and Commodity Markets - Emerging Issues	5-7 Sept. 2012	UGC	1,30,000
2.	Workshop on Research Methodology	August 2011	State Government	25,000
3.	Seminar on Entrepreneurship	August 2014	College	Rs.1000
4.	National Level Seminar on Financial Planning for young investors	10 Sept. 2013	SEBI	Rs.2000
5.	Seminar on Human Rights	17 Nov. 2014	College	Rs.30,000

6.	Seminar on National Security	24 Feb. 2015	College	Rs.12000
7.	One day Seminar on Union Budget 2014		College	10,000
8.	New Companies Act 2013	12 Feb. 2015	College	10,000

### Department of English

Sl. No	Title of the Seminar	Level- State/ National/ International	Date	Sponsoring agency	Budget Outlay
1	English Poetry	National	16 Jan. 2009	College	50,000
2	The Genre of Indian English Short Stories: Problems, Challenges and Opportunities	National	23-25 Sept.2010	UGC	1,50,000
3	Shakespearean Theatre	International	26 Aug. 2011	College	50,000
4	Noopuranganam: Women in Theatre	National	13-14 Dec. 2011	College	50,000
5	Wordsworth Wonderland	International	25 Jan. 2012	College	50,000
6	Bio-Regional and Eco Critical Discourses: Nature and Narration	National	23-24 Jan. 2014	UGC	1,25,000
7	Subaltern Chronotopes: Issues and Strategies	National	20-21 Oct. 2014	UGC	65,000

### Departments of Mathematics & Statistics

Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	“ The Relevance of Statistics in the Contemporary World ”	12 Dec. 2014	College	Rs. 1000
2.	National seminar on “Advances in Statistical Theory and Computational Applications (ASTCA)”	29-30 Aug. 2013	UGC	Rs. 1,50,000

3.	National Seminar on Recent Trends in Fuzzy Mathematics and its Applications	22–23 Sept. 2011	UGC	Rs. 1,00,000
4.	Seminar on Experimental Design and Self Similarity	3 Aug. 2011	College	Rs.10,000
5.	National Seminar on Mathematical Morphology and Digital Topology	13, 14 Nov. 2014	UGC	Rs. 1,50,000
6.	Random Volumes and Computer Applications	11 Nov. 2009	College	Rs. 2000
7.	Seminar on Applications of Fuzzy Mathematics	11 Feb.2011	College	Rs. 1500
8.	Seminar on Statistical inference& Mathematical Analysis	10-11 Jan. 2013	College	Rs. 8000
9.	Seminar on Fractal Geometry	18 Jan. 2010	College	Rs. 2000

### Department of Botany

Sl. No	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	National Seminar on Conservation and Sustainable Utilization of Redlisted Medicinal Plants of Western Ghats of India	02-03 Sept. 2010	UGC	Rs. 121250
2.	National Seminar on Environmental Impact Assessment	27-28 Nov. 2014	UGC	Rs.1,50,000
3.	Seminar on ‘Modern Trends in Organic Farming’	23 Aug. 2011	College	Rs.3000
4.	Seminar on ‘Environment Hazards of Plastic: Search for Alternatives’	22 March 2012	KSCSTE, TVM	Rs.20000

### Department of Zoology

Sl. No	Title of the Seminar	Date	Sponsoring Agency	Budget outlay
1.	Seminar on “Gene to the Landscape”	15 Jan. 2009	College	Rs.8000
2.	Fish Processing & Preservation	11 June 2009	College	Rs.2000

3.	Biodiversity & Sustainable Development	22 Jan. 2010	College	Rs.3000
4.	Stringless Bee Keeping	20 Sept. 2011	College	Rs.1500
5.	Animal Rights & Laws in India	22 Oct. 2011	College	Rs.2000
6.	Life Style Diseases	3 April 2012	College	Rs.3000
7.	Animal Ethics in Kerala Scenario	30 Jan. 2013	Animal Welfare Board of India	Rs.2500
8.	Biodiversity of Western Ghats-Issues & Concerns	7 Dec. 2014	College	Rs.4000
9.	Fisheries & Aquaculture. Prospects in Kerala	3 Dec. 2014	College	Rs.30000

#### Department of Chemistry

Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	Science for Nation Building	2 Feb. 2015	KSCSTE	15000
2.	Emerging Trends in Nanoscience and Technology	28 Feb. 2014	KSCSTE	20000
3.	National Seminar on "Advances in Spectroscopy- A Chemical and Biological Perspective"	28 Feb.-2 March 2013	UGC	150,000
4.	'Food Processing Industry and Women Empowerment'	19 April 2012	KSCSTE	20000
5.	National Seminar on Climate Changes: Challenges and Strategies	13-15 Feb. 2012	UGC	130000
6.	Clean Energy Options and Nuclear Safety	24 Feb. 2012	College	2000
7.	General Informatics	24-25 Aug. 2011	KSHEC	20000
8.	Sustainable Waste Management: Problems and Prospectives,	26 Aug. 2011	College	3000

9.	Rubber Product Manufacture for Kudumbasree Members	14 Nov. 2011	College	3000
10.	Chemistry Exhibition as part of IYC Celebrations	25 Feb. 2011	College	5000
11.	“Chemistry: Our Life and our Future”	24 Feb. 2010	KSCSTE	15000
12.	“Energy Conservation and Electrical Safety”	3 Dec. 2010	College	2000

### Library

Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	Information Technology and Higher Education	10 Nov. 2011	College	20000
2.	State Level Seminar on Digital Divide	29-30 Nov. 2012	UGC	62500

### Departments of Economics & Political Science

Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	National Seminar on Participatory Democracy and Human Development in India	20-21 March 2009	UGC	60,000
2.	National Seminar on Water Governance in India	18-19 March 2010	UGC	43,000
3.	Workshop on “New Goals for Self Help Groups”	17 Nov. 2008	College	30,000
4.	National Seminar on Gandhian Strategies for Sustainable Communal Harmony and Development	03-04 March 2011	UGC	100000
5.	National Seminar on Affirmative Action Policies in India	24-25 March 2011	UGC	150000
6.	State Level Workshop on Ethics and Human Values in Education	23-24 Nov. 2010	UGC	100000
7.	National Seminar on Public Private Partnership: Policies, Practices & Perspectives	17-18 April 2013	UGC	135000
8.	National Symposium on	10 Oct.	UGC	120000

	Privatisation of Education	2014		
9.	National Seminar on Cultural and Educational Rights of Minorities	06 Nov. 2014	UGC	100000

### Department of Physics

Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	National Seminar on Global Warming and Bio-diversity	16-17 Aug. 2012	UGC	130000
2.	National Seminar on Cyber Space Assisted Responsive Education	27 June 2014	UGC	110000

### Department of Malayalam

Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	National Seminar on Folklore and Cultural Assertion	24-25 Sept. 2012	UGC	100000

### Department of History

Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Budget outlay
1.	Colonial and Post Colonial History of India	24-25 Feb. 2014	UGC	120000

#### 3.1.9 Incentives for research

The teachers go on study leave and duty leave to do Ph.D. and attend seminars and workshops outside. The provision for sabbatical leave would have helped the teachers aspiring for research and higher studies. Unfortunately, this facility has not been given to the college teachers in Kerala. But five teachers have availed Faculty Development Programme of UGC during 2008-2014.

### 3.1.10 Dissemination of Knowledge

The college believes in extending scientific knowledge to the society at large. With this purpose in mind, the college has launched a project called *Sastragramam* (Scientific Village) in 2009. Under this project, three teachers of the college Sri. R.K. Pillai, Dr. Joe Jacob and Dr. Saju Abraham along with other resource persons visited many High Schools in Idukki District on a science popularisation mission and interacted with students. The project was partly funded by the Kerala State Council for Science, Technology and Environment (KSCSTE) and implemented in association with the district unit of *Kudumbasree* Mission, Kerala. Some of the programmes undertaken under the *Sastragramam* project are given below.

Sl. No	Name of the School	Date	Resource Person	Key theme discussed
1	St. Sebastian's HSS Cheenthalar	15 Oct. 2011	Smt.V. Vijeesshna Sr. Field Officer, Spices Board, Elappara	Organic Spice Cultivation & importance of Bio-diversity
2.	St. George High school, Kallanickal	10 Nov. 2011	Dr. Gigi. K. Joseph Dept. of Zoology, Nirmala College, Muvattupuzha	Biodiversity of Western Ghats and the Need of conservation
3.	Sacred Heart Girls's High School, Muthalakodam	10 Nov. 2011	Dr. Saju Abraham. Dept. of Botany, Newman College, Thodupuzha &Dr. Gigi K Joseph	Medicinal Plants and Bio diversity of Western Ghats.
4.	Govt H.S, Adimali	11 Nov. 2011	Dr. Gigi. K. Joseph Dept. of Zoology, Nirmala College, Muvattupuzha	Biodiversity of western Ghats and the Need of conservation

5.	Govt. HSS, Thattakuzha	04 Feb. 2012	Dr. Saju Abraham. Sri Joseph Mathew Dept. of Botany, Newman College, Thodupuzha	Medicinal Plants and Bio-diversity of Western Ghats and Local Health traditions
6.	St Joseph's HSS, Karimannor	09 Feb. 2012	Dr. Shaju Thomas Dept. of Zoology, Nirmala College, Muvattupuzha and Dr. Saju Abraham	Faunal biodiversity of Western Ghats and Medicinal Plants and Bio diversity of Western Ghats.
7.	Christ King VHSS Velliamattom	09 Feb. 2012	Dr. Shaju Thomas Dept. of Zoology, Nirmala College, Muvattupuzha and Dr. Saju Abraham	Faunal biodiversity of Western Ghats and Medicinal Plants and Bio diversity of Western Ghats.
8.	Calvary H.S, Calvary Mount.	14 Feb. 2012	Sri Joseph Mathew and Dr.Saju Abraham	Local Health traditions and Medicinal Plant diversity of Western Ghats.
9.	St. Thomas High school, Thudanganadu	10 Feb. 2012	Dr. Saju Abraham, and Ms. Parvathy S. Newman College, Thodupuzha and Dr. Sabu M. Simon.	Training on Microbial Isolation and Culture of Soil Microbes to the students, in the Dept of Botany laboratory, at the College.

Another activity carried out with the purpose of extending knowledge to the village was the DRC Testing Centre run by the Chemistry dept. The farmers in the neighbourhood benefit a lot by way of fetching the right price for their rubber products by knowing the dry rubber content (DRC) in their rubber produces.

### 3.2 Resource Mobilization for Research

#### 3.2.1 College Level Grants to the Researchers

As the college is a govt. aided affiliated one, we do not have the practice of annual budgeting for the allocation of financial resources. Hence, we largely depend on govt. funding for carrying out research



works. An analysis of resource mobilisation for research during 2010-2014 is given below.

#### Resource mobilisation for research

Sl. No.	Item	2010-2011	2011-2012	2012-2013	2013-2014
1.	Seminars & Conferences	560000	567500	550000	525000
2.	Substitute salary	74000	91000		
3.	Books & Journals	179508	450344	795217	
4.	Chemicals	78704	71619	62000	71500
5.	Equipment	1356679	934866	544850	1057741
6.	Travel	65000	60000	130000	50000
7.	Consumables	116687	142961	73508	38000
8.	Contingency	15000	15000		
	<b>Total</b>	<b>2445578</b>	<b>2333290</b>	<b>2155575</b>	<b>1742241</b>

**3.2.2** As there is no internal budgeting process, there is no provision for providing seed money to the faculty for research. But there is a practice of giving financial assistance to the teachers aspiring to present research papers in international conferences. In this regard, the college has granted Rs.15000 to Dr. Lovely Mathew of Chemistry department as registration fee for her participation in the international conference in Germany in 2013. Also the college gives money to those teachers who are invited to present their research proposals for Major Research Projects in UGC office at New Delhi. In this way, Dr. Bejoy Thomas, Dr. M.V. Krishnakumar and Dr. Ani Kurien were given Rs.20000/- each, by way of travelling allowance to New Delhi. There is also a provision for advancing money to the Science departments for the purchase of chemicals and equipment, using PTA fund and management fund. These are done mainly to motivate teachers to take up research projects.

**3.2.3** With regard to students' research projects, the teachers in the Science departments take care to motivate students to avail the grants given by

various funding agencies. Minor grants are thus arranged for students to carry out their research projects.

#### 3.2.4 Interdisciplinary Approach

Interdisciplinary research is promoted by the college. In this way, seminars and workshops are conducted with inter-departmental collaboration. The departments of Physics and Chemistry have jointly organised a national seminar on “Cyber Space Assisted Responsive Education” in June 2014. Similarly, the Departments of Botany and Zoology organised a seminar on Bio-diversity in March 2013. Apart from these, many of the faculty members present their academic papers in the national seminars organised by other departments. These attempts have been proved successful as far as the promotion of inter-disciplinary research is concerned.

A typical case of inter-disciplinary approach is evident from the publication of an academic journal titled **New Man & Society** published bi-annually. It is the combined effort of all Social Science departments of the college. The Social Science departments collectively engage themselves in the activities of the UGC sponsored Centre for Gandhian Studies also in the college.

#### 3.2.5 Optimal Utilisation of Research Facilities

The college has made arrangements for the optimal utilisation of its infrastructural facilities by all concerned. We have set up an instrumentation room to house the major science equipment procured under the DST-FIST scheme. All the teachers and students in the Science departments have access to such equipment. Similarly, the computer centres and language laboratory are made available for all teachers and students in the college.

### 3.2.6 External Funding for Research

The college tries its level best to collect financial resources from whatever sources possible to foster research facilities in the college. Collaboration with industries was tried for, but it was not forthcoming. But the college used to get sufficient research grants from UGC, DST and Kerala State Council for Science, Technology and Environment.

**3.2.7** In fact, the teachers were highly motivated to secure research funds from various funding agencies. And we are quite successful in that respect as well. As many as 28 research projects are currently running in the college. The details are given below.

#### Research Projects 2008-2014

Nature of the Project	Title of Project	Funding Agency	Principal Investigator	Allotted Amount
Major	The State-Society Synergy in Rural Kerala with Special Reference to the Jalanidhi Project	UGC	Dr. T.M. Joseph (Political Science)	5,15,600
Major	Affirmative Action and Dalits: A Study on the Elected Representatives in the Panchayats of Kerala	ICSSR	Dr. T.M. Joseph (Political Science)	2,68,750
Major	Development of Isora Micro Fibrils by A Novel Enzymatic Method And its Utilization	KSCSTE	Dr. Lovely Mathew P (Chemistry)	1010000
Major	Impact of Implementation of VAT	UGC	Dr. A.P. Philp (Commerce)	2,75,000
Major	Eco-toxicological Impact of Silver, Copper and Zine Nano Partides in Acquatic Ecosystems	UGC	Dr. Ani Kurian (Zoology)	11,18,800
Major	'Nano – Cellulose Phosphate'	UGC	Dr. Bejoy Thomas (Chemistry)	11,50,800

Major	Development of High Performance Polymer Nanocomposites using Nanofibres	UGC	Dr. Lovely Mathew P (Chemistry)	<b>1020000</b>
Major	Imperial Forestry: Ambiguities and Contradictions	UGC	Dr. M.V. Krishnakumar (History)	<b>9,44,600</b>
Minor	Isora- Fibre- A Natural Fibre for Product Design and Development of Engineering Materials	UGC	Dr. Lovely Mathew P (Chemistry)	<b>80,000</b>
Minor	Studies on Reproductive Biology, Seed Technology and Phytochemistry of Garcina Gummi- Gutta	UGC	Dr. Stephen Joseph (Botany)	<b>1,13,600</b>
Minor	Commodity Futures- A Study with Special Reference to Use of Rubber Traders in India	UGC	Sri. Joy Mathew (Commerce)	<b>60,000</b>
Minor	A Study of Bank Mergers in India	UGC	Sri. Sony Kuriakose (Commerce)	<b>1,40,000</b>
Minor	Black Consciousness and the Politics of Empowerment	UGC	Dr. Bijimol Thomas (English)	<b>1,25,000</b>
Minor	Reconstructive Post Theory and Eco-Concerns	UGC	Ms. Princy Jacob (English)	<b>1,00,000</b>
Minor	Role of national Rural Employment Guarantee Scheme in Rural Development	UGC	Sri. Prageesh C. Mathew (Commerce)	<b>1,00,000</b>
Minor	Development of Low Temperature cured NR Latex Nanocomposites	UGC	Sona John (Chemistry)	<b>1,60,000</b>
Minor	A Critical Evaluation of the Investment of Govt. of Kerala in State Level Public Enterprises	UGC	Sri. Johnson Varghese (Commerce)	<b>50,000</b>
Minor	The Relevance of the Sociological Analysis of the Poetry of Vallathol in the Context of Globalisation	UGC	Fr. Raju Jacob (Malayalam)	<b>90,000</b>
Minor	A Study on the Limit Classifications of the Third-order Formaly symmetric Differential Expressions	UGC	Dr. K.V. Alice (Mathematics)	<b>1,00,000</b>

Minor	Cultural Identity and Minority Rights: A Study of Minority Rights with Special Reference to Article 30 of the Indian Constitution	UGC	Dr. P.A. Jose (Political Science)	<b>50,000</b>
Minor	Post Colonial Elements in the Novels of R.K. Narayan with Special Reference to the Vendor of Sweets, Waiting for the Mahatma, the Painter of Signs and the Guide	UGC	Dr. K.V. Dominic (English)	<b>60,000</b>
Minor	Distributions with Zeros and Poles in the Laplace Transform or Generating Function	UGC	Dr. K.J. John (Statistics)	<b>1,35,000</b>
Minor	Science Motivational Training Program	UGC	Sri. R.K. Pillai (Physics)	<b>1,75,000</b>
Minor	Entry of Corporates into Retailing	UGC	Benny K.P (Commerce)	<b>90,000</b>
Minor	A Historic Perspective on Tourism Development	UGC	Benny K.A (History)	<b>73,000</b>
Minor	Eco-Tourism and its Interventions in Rural Labour Market	UGC	Jenni K. Alex (Economics)	<b>135,000</b>
Minor	'I Love My Planet' - Science Popularisation Project	KSCSTE	Dr. Joe Jacob (Physics)	<b>1,00,000</b>
Minor	A Study of Hopf Algebras	UGC	M.C. Thomas (Maths)	<b>1,50,000</b>
Minor	An Analytical Study of Micro Finance through Credit Unions/ SHGs in Kerala	UGC	A.J. Emmanuel (Commerce)	<b>1,30,000</b>
<b>Total</b>				<b>81,24,950</b>

#### Inter-disciplinary Project under DST-FIST

Sl. No	Title	Co-ordinator	Period	Funding agency	Sanctioned amount	Received amount
1.	FIST Project to all Science Depts.	Dr. Bejoy Thomas	2013-2017	DST	9000000	7950000

### 3.3 Research Facilities

#### 3.3.1 Learning Resources

The college is blessed with relatively better facilities for research oriented students. The central library is having a collection of nearly 50,000 titles and over 100 good quality academic journals. The library also has a UGC sponsored Network Resource Centre with 10 broadband internet enabled computers. The students and research scholars are allowed to freely access these internet facilities. Further, the library also has the INFLIBNET facility with free access to e-journals.

The college is also fortunate enough to have got the Mahatma Gandhi University Study Centre on its campus. This is a rare privilege for the college as it is one among the four such study centres set up by the Mahatma Gandhi University in its affiliated colleges. The study centre is having a good collection of advanced books and access to more than 5000 e-journals. This facility is highly beneficial to research scholars and post-graduate students.

There are two computer centres in the college with 24 and 30 internet enabled computers respectively. One is primarily meant for post-graduate and research students while the other is for language students. In addition to these facilities, the Physics and Chemistry departments have set up small computer centres in their laboratories with three computers each. All these facilities are effectively made use by the research scholars and students.

#### 3.3.2 Augmentation of Research Facilities

The college has a research promotion cell to augment the research facilities and promote the research culture among teachers and students. The purpose of the cell is to motivate teachers and students to pursue advanced learning in their chosen fields. With this perspective in mind, the cell promotes the departments to organise seminars and lectures and

invite scholars of eminence to the campus. The teachers and students thus, get an opportunity to interact with such scholars and get inspired to pursue higher studies.

### 3.3.3 Special Grants for Research

The college has received sufficient grants for the purpose of building up research facilities over the last four years. The most important donor agency is University Grants Commission. It has given general development assistance, post graduate assistance and funds under the scheme Basic Scientific Research. The college has also received a major funding of Rs.90 lakh from the Department of Science and Technology (DST) under the scheme 'Facilities for the Improvement of Science and Technology' (FIST). On account of these liberal funding, the college could develop several infrastructural facilities and acquire many advanced instruments.

**3.3.4** The faculty of the college always encourage students to visit other laboratories and libraries. Some students and research scholars have even visited nationally reputed institutions like IUCAA Pune and VSSC, Thiruvananthapuram. The postgraduate students also go out for the purpose of doing project works. A few institutions have permitted our students to make use of their laboratories and facilities. The details are given in the table.

Sl. No.	Name of the Institution visited	Period
1.	Synthite Industries Ltd, Kalamassery.	2014-2015
2.	Kerala Minerals and Metals, Chavara.	2013-2014
3.	Cochin University of Science Technology, Kochi.	2012-2013 2011-2012 2010-2011
4.	Mar Augusthinose College, Ramapuram.	2012-2013
5.	Sacred Heart College, Thevara.	2008-2009

6.	Nagarjuna Herbal Concentrates Ltd. Alakode, Thodupuzha.	2010-2011 2011-2012 2012-2013 2013-2014
7.	Unibiosys Biotech Research labs at Cochin	2012-2013 2013-2014
8.	IUCAA, Pune.	2009-12 2010-13
9.	IIST, TVM.	2010-13
10.	Aryabhata Research Institute, Nainital.	2010-13
11.	IISC, Bangalore.	2010-13

### 3.3.5 Availability of Learning Resources

To create a better academic ambience, a space is earmarked for postgraduate students and research scholars in the library. A reference section is made available to them. The INFLIBNET facility is freely accessible to all students. The UGC sponsored Network Resource Centre and the MG University Study Centre are of great help to researchers in search of advanced knowledge. The computer centre with free internet access is also useful to students and researchers.

### 3.3.6 Collaborative Research

The Science departments of Physics and Chemistry have developed collaborations with other research institutions and laboratories. The teachers and students of Physics department have paid frequent visits to the Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune. Similarly, the department of Chemistry has collaborative research works with the Chemistry departments of M.G. University and CUSAT, Kochi.

## 3.4 Research Publications and Awards

### 3.4.1-2 Publication of Academic Journals

The college regularly publishes three academic journals from its campus. They are “Indian Journal of Post-colonial Literatures” (IJPCL), “New Man and Society” and “Trade Wind”.



**Indian Journal of Post-Colonial Literatures (ISSN 0974-7370)**

This is a bi-annual international journal published from the English department ever since 2002. Its editorial advisory board consists of nationally eminent scholars such as A.N. Dwivedi, Yemen; Rajkamal Shiromani, Bihar; Syed Ameeruddin, T.N.; Mahendra Bhatnagar, M.P.; Sachidananda Mohanty, A.P.; Aju Mukhopadhyay, Pondicherry; Sunil Sharma, Maharashtra; Ayo Kehinde; Nigeria and V.C. Harris, Kerala. It receives articles, research papers, review articles and literary works from scholars across the country.

**New Man & Society (ISSN 2231-6698)**

This is the official academic journal of the college published bi-annually since 2010. The journal broods over the relationship between man and society, the problems confronted and their prospective solutions. It covers the philosophical, scientific and social aspects of human life in the era of modernisation and development. It carries theoretical and empirical papers from scholars and practitioners on a specific theme which will be notified in the preceeding issue itself. Its editorial board consists of nationally reputed social scientists such as Prof. B.S. Bhargava, Prof. S.N. Sangita, Prof. Gopinath Reddy, Prof. Sukhpal Singh, Prof. H.S. Shylendra, Prof. T.V. Sekher and Dr. Jos Chathukulam.

**Trade Wind (ISSN 2320-5393)**

This is an annual journal published from the post graduate department of Commerce. Started publishing in the year 2005, the journal focuses its attention on modern trends in trade and commerce. Its editorial board consists of scholars in the field of Business Studies. The journal also receives articles and research papers from the length and breadth of the country.

### 3.4.3 Academic publications of faculty

Some of the faculty have published papers in national and international journals and edited volumes. The details are given below.

#### a) Number of research publications by faculty during 2008-2014

Sl. No	Faculty	Number of papers in			Total no. of papers
		Journals/ Edited Volumes		Proceedings/ Regional	
		International	National		
1.	T.M. Joseph		16		16
2.	Sony Kuriakose	2	6	1	9
3.	Divya James		2	1	3
4.	Beena Deepthi Louis		1		1
5.	Dr. Bejoy Thomas	13	-	-	13
6.	Dr. Lovely Mathew	7	5	4	16
7.	Dr. Cincy George	4	4		8
8.	Alex Joseph	5			5
9.	Dr. Jane A Luke	4	2	2	8
10.	Dr. Krishnakumar M.V	1	1	2	4
11.	Dr. K. V. Dominic	8	16	4	28
12.	Dr. K. V. George		3		3
13.	Dr. Aniamma V. M		3		3
14.	Dr. Leelamma Mathew		2		2
15.	Dr. Vincent Aerath		2		2
16.	Dr. Sr. Alphonsa P. O.		2		2
17.	Jose Kollamparambil		3		3
18.	Dr. Bijimol Thomas		2		2
19.	Dr. Jerome K. Jose		2	1	3
20.	Princy Jacob		1		1
21.	Dr. Nibu Thomson		5		5
22.	Dr. George Sebastian		1	3	4
23.	Sona George		2		2
24.	Dr. Leena John	3		4	7
25.	Joe Jacob	8			8
26.	George James T	7	2	5	14
27.	Dr Joseph Kunnil	3			3
	<b>Total</b>	<b>65</b>	<b>83</b>	<b>27</b>	<b>175</b>

## b) Citation Indices

Sl. No.	Faculty	Citations since 2008	h-index since 2008	Impact factor
1.	Sony Kuriakose	15	1	
2.	Dr. Bejoy Thomas	442	13	
3.	Dr. Jane A. Luke			1.779 (International Journal of Advanced Manufacturing Technology)
4.	Dr. Jane A. Luke			0.994 Quality (Reliability Engineering International)
5.	Dr. Jane A. Luke			0.288 (Communications in Statistics – Simulation & Computation )
6.	Dr. George James T	7		

## c) Books Authored/ Edited

Sl. No.	Author	Title of the book	Publisher	Year
1.	Dr. T.M. Joseph (ed)	Governance Reforms: Challenges Ahead	Kanishka publishers, New Delhi	2009
2.	Dr. T.M. Joseph (ed)	Decentralised Governance and Development	Deep & Deep publishers, New Delhi	2009
3.	Dr. T.M. Joseph (ed)	New Governance Paradigm: Issues in Development	Kalpaz publishers, New Delhi	2008
4.	Dr. T.M. Joseph (ed)	Local Governance in India: Ideas, Challenges and Strategies	Concept publishers New Delhi	2008

5.	Dr. A.P. Philip	Financial Management & Principles	Soba publishers, Changanacherry	2014
6.	Sony Kuriakose	Financial Management & Principles	Soba publishers Changanacherry	2015
7.	Dr. A. P. Philip	Direct Tax Law & Practice	Soba publishers Changanacherry	2010
8.	Dr. A. P. Philip	Capital Market & Investment Management	Soba publishers Changanacherry	2014
9.	Sony Kuriakose	Financial Risk Management	IGNOU	2010
10.	Dr. K. V. Dominic	Postcolonial Readings in Indo-Anglian Literature	Authors Press	2009
		Selected Short Stories in Contemporary Indo-Anglian Literature	Sarup Book Publishers, New Delhi	2009
		Pathos in the Short Stories of Rabindranath Tagore	Sarup Book Publishers, New Delhi	2009
		Reason and Fantasy	Self Publication	2009
		Winged Reason	Authors press	2010
11.	Dr. K. V. Dominic	Stephen Gill's Poetry: Panorama World Peace	GNOSIS, New Delhi	2010
12.	Dr. K. V. Dominic	Discourses on Contemporary Indian English Poets	GNOSIS, Delhi	2010
		Studies in Contemporary Canadian Literature	Sarup Book Publishers, New Delhi	2010
13.	Dr. Aniamma V. M	Malayalam English Word Finder with Accent	Pavanatma College, Murickassery	2010
		Malayalam English Dictionary-Lexes	Newman College	2012

14.	Jose Augustine	M.T : Vayanayude Randamoozhaaham	Nirmala Academic & Research Publications	2010
		Flashes and Images	do	2011
		M.T. Vasudevan Nair's Fiction and Films: An Analysis	do	2011

#### Published Research Papers

##### Department of Commerce

1.	<b>Prageesh C. Mathew</b> "Cognitive Resonance" Trade Wind, ISSN 2320-5393, 2011.
2.	<b>Sony Kuriakose</b> , "Strategic and Financial Similarities of Bank Mergers", International Journal of Commerce and Management (Emerald ISSN: 1056-9219) to be Published in 2015.
3.	<b>Sony Kuriakose</b> , "Contribution Analysis of Exchange Ratios in Bank Mergers" Commerce Spectrum, Vol 1.2, 2014.
4.	<b>Sony Kuriakose</b> , "A Critical Review of the Efficiency Related Studies on Mergers and Acquisitions" Trade Wind, ISSN 2320-5393, Vol. 17, December 2012.
5.	<b>Sony Kuriakose</b> , "Mergers and Acquisitions: Strategy, Valuation and Integration (Book Review)" Vision: The Journal of Business Perspectives, Sage Publications, Vo.16, 2013.
6.	<b>Sony Kuriakose</b> , "Impact of Recession on Bank Merger Valuation" Indian Commerce Bulletin, Bi-Annual Publication of Kerala Commerce Association, Vol XI, 2012.
7.	<b>Sony Kuriakose</b> , "Assessing the Strategic and Financial Similarities of Merged Banks: Evidence from Voluntary Amalgamations in Indian Banking Sector", Science and Society Vol 8, No 1, 2010.
8.	<b>Sony Kuriakose</b> , "Voluntary Amalgamations in Indian Banking: Valuation Practices and Adequacy of Swap Ratios", Indian Journal of Commerce, Quarterly Publication of All India Commerce Association, Vol 62, No 3, 2009.
9.	<b>Sony Kuriakose</b> , "Valuation Approaches in Bank Mergers during Normal and Recessionary Periods", India and Global Financial Crisis: Recession to Resurgence, 2012.
10.	<b>Beena Deepthi Louis</b> , "Private Equity and Venture Capital in India – Impact and Key Challenges" Trade Wind, ISSN 2320-5393, December 2013.

11. <b>Divya James</b> , “Usage Pattern of E-Banking Services Among Individuals- with Special Reference to HDFC and ICICI Banks”, Rural E- Commerce In India – Emerging Trends and Challenges (ISBN 978-93-5104-594-6), First Edition 2013.
12. <b>Divya James</b> , “Integrated Reporting – A Paradigm Shift in Corporate Reporting”, Research Scholar (ISSN 2249-6696), Vol. II, No. IV-A, Dec.2012.
13. <b>Divya James</b> , “XBRL: Towards Better Transparency in Internet Financial Reporting”, Global Research Review (ISSN 2250-2521) Vol.II, No.II-A,
14. <b>Divya James</b> , “Risk Transfer Market: Developments in Exchange-Traded Equity Derivatives in India”, Research Lines (ISSN 0975-8941), Vol. No.2, Dec 2012.
<b>Department of Political Science</b>
15. <b>Joseph, T.M.</b> (2012): “Language and Politics in South India: An Exercise in Nation Building” Science and Society, Vol.10, No.2, July-December 2012, Pp127-138.
16. <b>Joseph, T.M.</b> (2012): “Religion and Politics in India”, The Living Word: Journal of Philosophy and Theology, Vol.118, No. 04, July-August 2012, Pp 280-285.
17. <b>Joseph, T.M.</b> and Jos Chathukulam (2010): “Financial Devolution to Local Governments: Economic Rationality vs. Political Expediency”, Social Sciences in Perspective, Vol.2, No.1, January- March 2010, Pp73-88.
18. <b>Joseph, T.M.</b> and Jos Chathukulam (2009): “The New Paradigm of Governance: A Case from Kerala”, Administrative Change, Vol. Xxxvi, No.2, January-December, Pp. 1-18.
19. <b>Joseph, T.M.</b> (2008): “Additional Member System as an Alternative to Women’s Reservation”, Madhya Pradesh Journal of Social Sciences, Vol. 13, January-June, No.1, Pp.27-34.
20. <b>Joseph, T.M.</b> (2008): “Language and Politics in South India: An Exercise in Nation Building”, in Man and Development, Vol. Xxx, No.2, June 2008, Pp.29-42.
21. <b>Joseph, T.M.</b> “State- Society Partnership in Rural Development: The Case of Drinking Water Sector”, In Local Government Quarterly, Vol. Lxxviii, No.1, January- March 2008, Pp.81-91.
22. <b>Joseph, T.M.</b> “Governance of Rural Development: State-Society Partnership in the Drinking Water Sector”, In Trade Wind, Vol.3, 2007, Pp.64-83.

23. <b>Joseph, T.M.</b> “Democracy and Governance: Does Electoral System Matter?”, in Indian Journal of Public Administration, Vol. LIII, No. 1, January-March 2007, Pp. 125-138.
24. <b>Joseph, T.M.</b> “Mixed Member Proportional System As An Alternative To The Indian Electoral System”, in Indian Journal of Political Science, Vol. LXIX, No. 1, Jan-March, 2008, Pp.183-190.
25. <b>Joseph, T.M.</b> and Jos Chathukulam: “State-Society Synergy in Rural Governance: The Case of Jalanidhi Project in Kerala” in The Meerut Journal of Political Science and Public Administration, Vol.9, Nos. 1&2, Jan- December 2006, Pp. 7-28.
26. <b>Joseph, T.M.</b> “Electoral Reforms for Good Governance” in Administrative Change, Vol. XXXIII, No.2 &Vol. XXXIV, No. 1, January – December 2006, Pp. 47-60.
27. <b>Joseph, T.M.</b> and Jos Chathukulam: “The Emerging Paradigm of Local Governance: State-Society Synergy in Rural Kerala” in Madhya Pradesh Journal of Social Sciences, Vol. 11, No.2, July-December 2006, Pp. 32-51.
28. <b>Joseph, T.M.</b> “Democracy and Representation in India: Does Electoral System Matter?” in Gandhi Marg, Vol.28, No.3, Oct-Dec. 2006, Pp.321-336.
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30. <b>Joseph, T.M.</b> and Jos Chathukulam (2009): “Paradigm Shift In Local Governance: The Role of State and Non-State Actors In Kerala”, In H.S. Shylendra (Ed), New Governance and Development: Challenges of Addressing Poverty and Inequality, Academic Foundation, New Delhi, Pp.245-263.
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33. <b>Joseph, T.M.</b> with Jos Chathukulam (2008): "State- Society Partnership in Drinking Water Management- The Case of Jalandhi Project in Kerala", in B.K. Thapliyal Et.Al. (Ed.), Democratisation of Water, National Institute of Rural Development, Hyderabad, Pp.566-589.
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<b>Department of English</b>
35. <b>Dominic K.V.</b> "A Cow on the Lane," "Musings from an Infant's Face," "Wagamon," "Flowers' Greetings" and "God Is Helpless" in <i>Poetry Contemporary: An Anthology of Twenty Contemporary Indian English Poets</i> . Ed. Pronab Kumar Majumuder. Kolkata: Bridge-In Making Publication, 2011.
36. <b>Dominic K.V.</b> "Nature Weeps," "To My Deceased Cats" And "Flowers' Greetings" In <i>Muse India (E-Journal)</i> Issue 36 (Mar. Apr 2011). Poems.
37. <b>Dominic K.V.</b> "A Cow on the Lane" in <i>Poets International</i> 28.2 (February 2011). (Poem)
38. <b>Dominic K.V.</b> "Iaf Vayu Shakti 2010" and "Aung San Suu Kyi-Asia's Lady Mandela" in <i>Poets for World Peace</i> Vol. 2.. Eds. Ram Sharma & Mosan Sinha. Ontario: Vesta Publications, 2011. (Poems)
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40. <b>Dominic K.V.</b> "An Elegy on My Ma" in <i>Labyrinth: The Biannual Literary Journal of Postmodernism</i> 2.1 (January 2011). (Poem)
41. <b>Dominic K.V.</b> "Resolution" in <i>Bridge-in-Making</i> Number 58 & 59 (January 2011). (Poem)
42. <b>Dominic K.V.</b> "Crow, the Black Beauty" in <i>Poets International</i> 28.1 (January 2011). (Poem)
43. <b>Dominic K.V.</b> "An Elegy on My Ma" and "Tribute to The Mother India" in <i>IJPCL</i> 10.2 (December 2010). (Poems)
44. <b>Dominic K.V.</b> "The Conflict between Spirituality and Materialism in The Guide" in <i>IJPCL</i> 10.2 (December 2010). (Critical Article)
45. <b>Dominic K.V.</b> "The Magic Charm Of Rabindranath Tagore's Short Stories: An Evaluation" in <i>Glorious Trends: Indian Writings, Films</i>



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46.	<b>Dominic K.V.</b> "Interview with Stephen Gill," in <i>Studies in Contemporary Canadian Literature</i> . Ed. K. V. Dominic. New Delhi: Sarup Book Publishers, 2010. (Interview)
47.	<b>Dominic K.V.</b> "Stephen Gill—the Bard of World Peace: A New Historicist Analysis of His Poetic Musings," in <i>Stephen Gill's Poetry: A Panorama of World Peace</i> . Ed. K. V. Dominic. New Delhi: Gnosis, 2010. (Critical Article)
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49.	<b>Dominic K.V.</b> "Beauty" in <i>Poets International</i> 27.12 (December 2010). (Poem)
50.	<b>Dominic K.V.</b> "Mathews, the Real Christian" in <i>the Editors' Choice: Contemporary Short Stories in Indian English</i> . Eds. Sunil Sharma and Jaydeep Sarangi. New Delhi: Gnosis, 2010. (Short Story)
51.	<b>Dominic K.V.</b> "Train Blast" in <i>Poets for World Peace</i> Vol. I. Ed. Eftichia Kapardeli. Ontario: Vesta Publications, 2010. (Poem)
52.	<b>Dominic K.V.</b> "Aung San Suu Kyi-Asia's Lady Mandela" and "Sister Mercy" in <i>The Literary Musings</i> 1.1 (July 2010). (Poems)
53.	<b>Dominic K.V.</b> "Who is Responsible?" in <i>New Fiction Journal</i> 1 (August 2010). (Short Story)
54.	<b>Dominic K.V.</b> "Musings from an Infant's Face" in <i>Labyrinth: The Biannual Literary Journal of Postmodernism</i> 1.2 (September 2010). (Poem)
55.	<b>Dominic K.V.</b> "The Magical Charm of Rabindranath Tagore's Short Stories: An Evaluation." in <i>Muse India (E-Journal)</i> Issue 33, September-October 2010- (Critical Article)
56.	<b>Dominic K.V.</b> "A Feminist Reading of Kamala Das's Poetry" In <i>Karisma of Kamala Das</i> . Ed. Chandra Mouli. New Delhi: Gnosis, 2010. (Critical Article)
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59. <b>Dominic K.V.</b> "Who Is Responsible?" in <i>IJPCL</i> 10.1 (June 2010). (Short Story)
60. <b>Dominic K.V.</b> "Acceptance, Rejection, Compromise: Three One Act Play (A Trilogy by Pronab Kumar Majumder" in <i>Labyrinth: The Biannual Literary Journal of Postmodernism</i> 1.1 (March 2010). (Review)
61. <b>Dominic K.V.</b> "Who Is Responsible?" in <i>Muse India (E-Journal)</i> Issue 30 (March-April 2010). (Short Story)
62. <b>Dominic K.V.</b> "Stephen Gill's The Flame: An Epic on Anti-Terrorism" in <i>The Flame Unmasked: Stephen Gill's Epic Critically Examined</i> . Ed. Sudhir K. Arora. Bareilly: Prakash Book Depot, 2010. (Critical Article)
63. <b>Dominic K.V.</b> "A Cow on the Lane" in <i>Kerala Private College Teacher</i> . Jan. 2010, (Poem) M' "Magic Realism and New Historicism in Salman Rushdie's Midnight's Children" in <i>Seva Bharati Journal of English Studies</i> 6 (January 2010). (Critical Article)
64. <b>Dominic K.V.</b> "Teresa's Tears" in <i>Seva Bharati Journal of English Studies</i> 6 (January 2010). (Poem)
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66. <b>Leelamma Mathew.</b> "Myth As Archetype: A Critique of Ayi Kwei Armah's 'The Healer's'", in <i>IJPCL</i> , July-December, 2007.
67. <b>Leelamma Mathew.</b> "Religiosity in Mythic Vision: An Analysis of Chinua Achebe's Things Fall Apart" And Arrow of God, in <i>IJPCL</i> , Vol. 7, June.
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178. Cintil Jose, <b>Lovely Mathew</b> and Sabu Thomas, WAXRD studies of nanocellulose obtained from isora fibre by steam explosion process presented at the national conference -Challenges in nanoscience and Technology,(CNT-2011) organized jointly by the Department of Chemistry, St Teresa's College, Ernakulam and UGC on 28-29 <sup>th</sup> August 2011 at St Teresa's College, Ernakulam and published in the conference proceedings, page 64
179. Jithin Joy, <b>Lovely Mathew</b> and Sabu Thomas "Extraction of ligninase enzymes from isora fibre by the solid state fermentation process and its activity studies" presented in the 21 <sup>st</sup> Swadeshi Science Congress, jointly organized by Swadeshi Science Movement and Cashew export promotion council of India held at Kollam on 7 <sup>th</sup> -9 <sup>th</sup> November 2011 and published in the conference proceedings.
180. Cintil Jose, <b>Lovely Mathew</b> and Sabu Thomas "Development and Characterisation of cellulose nanowhiskers obtained from Isora

<p>fibre-a natural reinforcement for polymer composites” presented at the UGC sponsored national seminar “Emerging trends in Chemistry” organized by the department of chemistry, St Joseph’s College, Moolamattom on 25<sup>th</sup> February 2012 – Received the best paper award.</p>
<p>181. Jithin Joy, <b>Lovely Mathew</b> and Sabu Thomas “Extraction of ligninase enzyme by solid state fermentation process –delignification studies on isora fiber” Presented at the national seminar “Emerging trends in nanotechnology” from 29 -30<sup>th</sup> September 2012 at BK college for women, Amalagiri, Kerala, India.</p>
<p>182. Cintil Jose, <b>Lovely Mathew</b> and Sabu Thomas, Dynamic mechanical properties of nanocellulose reinforced unsaturated polyester composites presented at the UGC sponsored national seminar Advances in spectroscopy-A Chemical and Biological perspective organized by the Department of Chemistry ,Newman college Thodupuzha from February 28<sup>th</sup> to March2<sup>nd</sup> 2013. and published in the conference proceedings page 47</p>
<p>183. Jithin joy, <b>Lovely Mathew</b> and Sabu Thomas “Development and characterization of high performance natural rubber nanocomposites using biologically prepared isora nanofibers” Presented at the 26<sup>th</sup> Kerala Science Congress from 28<sup>th</sup> –31<sup>st</sup> January 2014 at WAYANAD, Kerala, India.</p>
<p>184. Jithin joy, <b>Lovely Mathew</b> and Sabu Thomas “Mechanical and membrane transport characterizations of natural rubber nanocomposites reinforced with isora nanofiber” Presented at the UGC sponsored national seminar "Advances in nanomaterials and polymers" from 11<sup>th</sup> -12<sup>th</sup> March 2014 at Bharata Mata College, Thrikkakara, Kochi, Kerala, India</p>
<p>185. Jithin joy, <b>Lovely Mathew</b> and Sabu Thomas Development of polymer bio nanocomposites using nanocellulose obtained from isora fibres presented at the POLYCHAR 22- World Forum on Advanced Materials, 7<sup>th</sup> -11<sup>th</sup> April 2014 STELLENBOSCH, SOUTH AFRICA</p>
<p>186. <b>Bejoy Thomas</b>, U. R. Prabhu, B. B. Das, N. Suryaprakash, Solid state NMR studies of organically modified Y-zeolites: Identification of individual Q units by 2 dimensional heteronuclear correlation spectroscopy, Special Symposium on Current Trends in Solid State NMR Methodology and Practice, National Chemical Laboratory, Pune, India, February, 5-8, 2007.</p>
<p>187. <b>Cincy George</b> et al. Antibacterial Screening of Silver Nanoparticle encapsulated Hyperbranched Polyglycerol against E. Coli, National Conference on Advances in Nanoscience and Technology (NANOSAT -10), Amal Jyothy College of Engineering, Kanjirappally, April 22-23, 2010.</p>



188. <b>Cincy George</b> et al. Antimicrobial Activity of Silver Nanoparticle encapsulated Hyperbranched Polyglycerol against E. Coli, National Seminar on Green Chemistry, Alphonsa College Pala, July 15-16, 2010.
189. <b>Cincy George</b> et al. Synthesis, Characterisation and antibacterial activity of Silver Nanoparticle encapsulated Hyperbranched Polyglycerol, First Kerala Women Science Congress, St. Theresas College Ernakulam, August 10-12, 2010.
190. Contributed a book chapter entitled "Isora fibre -a novel reinforcement for the development of high performance engineering materials" to the book Cellulose Fibers: Bio-and Nano-Polymer Composites, Chapter 11, PAGE 291, DOI 10.1007/978-3-642-173707 Published by Springer-Verlag Berlin Heidelberg 2011. www.springer.com ( <b>Lovely Mathew P.</b> , Joshy M.K; Laly A Pothen, Sabu Thomas)
191. "Micro and Nano Metal Particle Filled Natural Rubber Composites" to the book "Natural rubber materials: Composites and Nanocomposites", RSC Polymer Chemistry Series No. 8,(2) Chapter 11, PAGE 307. Published by the Royal Society of Chemistry, 2014. www.rsc.org (Jithin Joy, Anu Tresa Sunny, <b>Lovely Mathew P.</b> , Laly A Pothen, Sabu Thomas)
192. "Micro and Nanostructured Polymer Systems, From Synthesis to Applications" to the book Natural Polymer Blends and Their Composites, Apple academic press, July 2015 <a href="http://www.appleacademicpress.com/title.php?id=9781771881005">http://www.appleacademicpress.com/title.php?id=9781771881005</a> (In press) (Jithin Joy, Runcy Wilson, <b>Lovely Mathew P.</b> , and Sabu Thomas)
193. Contributed a book chapter by to the book Biological Delignification of Biomass, Green Polymers and Environmental Pollution Control, Apple academic press, Canada. October 2015 (In press) <a href="http://www.appleacademicpress.com/title.php?id=9781771881395">http://www.appleacademicpress.com/title.php?id=9781771881395</a> (Jithin Joy, Cintil Jose, <b>Lovely Mathew P.</b> , Sabu Thomas, and Moayad N Khalaf)
<b>Department of Botany</b>
194. <b>Leena John</b> & M.E. Kuriakose. Pollen Morphological Studies on the South Indian Myrtales. <i>Phytomorphology</i> , 61. Pp., 2011.
195. <b>Leena John</b> & M.E.Kuriakose. A Pollen Morphological Analysis of <i>The South Indian Lecythidaceae</i> . Vol. \$ Issue, 6. Pp4-7., 2012.
196. <b>Leena John</b> & M.E.Kuriakose. Some Interesting Palynological Features of South Indian Onagraceae. <i>Phytomorphology</i> : 63.Pp. 2014.

Department of History	
197.	<b>Krishnakumar M.V</b> , “Development or Despoilation? Andaman Islands in Colonial and Post Colonial Regimes”, Shima: International Journal of Research into Island Cultures, Vol 3, No.2, 2009.
198.	<b>Krishnakumar M.V</b> , “Representation of Andaman Islands in the Colonial Writings”, Meridian: Interdisciplinary Research Journal, 2012.
199.	<b>Krishnakumar M.V</b> , “Political Ecology of Forestry in the Andaman Islands” Published in Indian Environmental Issues: Lessons from the History, (Seminar Proceedings), 2013.
200.	<b>Krishnakumar M.V</b> , “Imperial Forestry: Ambiguities and Contradiction”, Published in Themes and Issues in the Environmental History of India, (Seminar Proceedings), 2014.

### 3.4.4 Recognition/Achievement in Research

It is to be noted that though some of the faculty have publications in nationally and internationally reputed journals, not many have won recognitions for their contributions in the field of research and publications. Dr. Lovely Mathew of Chemistry department won the best presentation award for her paper presentation in an International Conference held in Germany in 2010. Dr. T.M. Joseph, the Principal of the college had the rare privilege of addressing the European Parliament at Brussels on the topic “Religious Freedom in India” on 05 October 2010.

By way of acknowledging the merit of faculty in the field of research and publications, they are given warm reception in the college through public announcements and congratulatory references. This practice gives other teachers a model to emulate.

## 3.5 Consultancy

### 3.5.1 Promotion of Consultancy Services by Faculty

It has to be admitted that the institution is not in a position to offer consultancy service to the outside agencies in a systematic manner. This



is mainly due to the lack of expertise and time on the part of teachers. The tight academic schedule in which the teachers are expected to function does not enable them to find additional time for the consultancy work.

**3.5.2** The institution always promotes the faculty to undertake consultancy services in such a way as to benefit the industry. The mechanism to promote consultancy services is to properly acknowledge the human resources available with the institution. Congratulatory references are made in the notice boards, staff meetings and other public functions. When a teacher makes significant contributions to knowledge expansion, news releases are made to the press, so that the public will come to know about the expertise available with the institution.

**3.5.3** The teachers are encouraged to utilise their expertise and make it available for consultancy services. The list of teachers with details of their expertise offered is given below.

#### Research expertise offered to outsiders

Sl. No.	Name of Faculty & Department	Names of Scholars/ Students benefited	Institution of the scholar/ students	Year of consultancy	Area of study
1.	Dr. Bejoy Thomas (Chemistry)	One batch of students	St. Augustine's HSS, Karimkunam	2014-15 2013-14	Biochemistry
2.	Bejoy Thomas (Chemistry)	Najamol	Indira Gandhi College KLM	2013-14	Cellulose Nano-composites
3.	Dr George James T (Physics)	1.Gloria Mathew 2.Shilpa George 3.Liya Varghese 4.Sajeena K A 5.Meenu Chacko 6.Anamol K G	Indira Gandhi Institute of Arts and Science, Nellikuzhy	2014-15	Digital Image Processing

4.	Dr. Bejoy Thomas & Alex Joseph (Chemistry)	A batch of students	St. Joseph HSS Karimannoor	2014-15	Bio-diesel
5.	Dr. Lovely Mathew (Chemistry)	B.Tech. students	Viswajyothi College	2013-14	Nano-composites
6.	Dr. Lovely Mathew (Chemistry)	B.Tech. students	St. Joseph College Pala	2014-15	Nano-composites
7.	Dr. Lovely Mathew (Chemistry)	Research Scholars	CBPST, Kalamassery	2012-13	Fibre reinforced polymer
8.	Dr. Lovely Mathew (Chemistry)	Research Scholars	PS & RT CUSAT	2012-13	Nano composites
9.	Dr. Lovely Mathew (Chemistry)	Research Scholars	BMC, Thrikkakara	2013-14	Nano-composites
10.	Dr. Aniamma V. M. (English)	Arunraj Joseph	Dravidian University, Sukapuram	2010	M.Phil
11.	Dr. Saju Abraham & Ms. Parvathy S. (Botany)	A batch of students	St. Thomas School Thudanganad	2012-13	Microbiology
12.	Dr. Saju Abraham & Ms. Parvathy S. (Botany)	A batch of students	St. Thomas School Thudanganad	2013-14	Soil Nutrients
13.	Dr. Saju Abraham & Ms. Parvathy S. (Botany)	A batch of students	St. Thomas School Thudanganad	2014-15	Photosynthesis

**3.5.4** The major consultancy work the institution has been undertaking for the last 15 years is the DRC Testing Unit of the Department of Chemistry.

The Dry Rubber Content (DRC) testing facility is of great help to the farmers in the neighbourhood. Some amount of money is generated out of this activity.

Another consultancy service undertaken by the college is the assistance offered by the teachers of various departments in helping the Postgraduate students of other colleges to do their project works. Some amount of money, though insignificant, is generated out of these consultancy services. Yet another consultancy service offered by the college is a Fitness Advisory Centre, functioning under the auspices of the Physical Education Department. The Centre gives necessary advisory services to the local public on how to maintain a healthy body.

**3.5.5** The income generated out of the consultancy services is mainly used for the purpose of building up the infrastructural facilities of the departments.

### **3.6 Extension Activities and Institutional Social Responsibility (ISR)**

#### **3.6.1 Campus-community partnership**

The mission of the college is to mould the future generations into socially committed citizens. With this perspective, the college gives due emphasis to the concept of campus community partnership through many of its programmes like NSS, NCC etc. Such activities definitely inculcate the much needed societal orientation among the students and it leads to the holistic development of students.

The UGC sponsored Centre for Gandhian Studies has undertaken several programmes of social responsibility. It organised a workshop for the tribal population of Idukki district on “Forest Rights Act” in one of the tribal heartlands of the district, Adimali, on 18 Sept. 2010. The Centre also organised a workshop for the newly elected members of the Grama Panchayats to train them about the nitty-gritty of local

governance on 20 November 2010. The Department of Chemistry organised a workshop on “Food Processing Industry and Women Empowerment” on 19 April 2010. The workshop was attended by 65 housewives from the nearby villages.

Yet another major activity with social responsibility is the conduct of *Karshikamela* (agricultural fair) in every December. The ten day long fair has many academic seminars on different agricultural topics led by many agricultural scientists. There is also an exhibition of agricultural plants, fruits and flowers. A cattle exhibition and agricultural sports, tug of war and various cultural programmes are the great attractions of the event.

### 3.6.2 Promoting citizenship roles among students

The college has the necessary institutional mechanism to ensure students’ participation in community development programmes. The foremost among them is the National Service Scheme (NSS) which trains the students in community service. The NSS has two units of 100 volunteers each. They function under the leadership of two programme officers. The NSS volunteers go out to the villages in extension of their community service. They construct roads and houses for the poor. They also undertake several campaigns like environmental protection, energy saving, waste management, organic farming, no drug use, women empowerment etc. The NSS unit of the college has been adjudged as one of the best five units in the Mahatma Gandhi University during the last two years.

Apart from the NSS, the Nature Club and the *Bhoomitra Sena* are the agencies that promote citizenship roles among students. They conduct nature camps and visit wild life sanctuary, creating an awareness and love towards nature and animals.

The most noteworthy extension activity of the college is the free communicative English training programme of the English department titled *Summer Showers*. Through this programme, the 10<sup>th</sup> standard students of Malayalam medium schools in the neighbourhood are given a seven day crash course in communicative English during every summer vacation. This programme has been continuously in existence since 2004.

The National Cadet Corps (NCC) is another agency which gives training to students in community service. The NCC cadets are trained in disaster management. They step in whenever there is a natural calamity or disaster in the neighbourhood. They collect and distribute more than 1000 kg rice to the poor homes in the neighbourhood every year. The Centre for Women Empowerment and Catholic Students Movement (CSM) also visit poor homes and donate money and clothes to the inmates.

It is worth to note that the NCC cadets of the college have initiated a scheme called *share a bread* by which each one of them donate lunch packets to the inmates of a nearby orphanage on a daily basis. This practice, started in December 2014, gets momentum as nearly 75 lunch packets are distributed on all working days, on an average.

A similar philanthropic work is done by the students of Economics department as well. Under the leadership of the teachers, the students carry one more lunch packet on all first Fridays and distribute them in an old age home at Muthalakodam. On an average, 100 lunch packets are distributed on first Fridays. It is discerned that such practices help the students assume their citizenship roles.

**The community college**, sanctioned by UGC is yet another initiative of the college in fulfilling social responsibility. The two

diploma courses (Rubber Technology and Diary Science) are mainly attended by the underprivileged sections of the society with no age bar.

**Vayomithram**- A gathering of senior citizens and sports meet for differently abled students is also organised in the college campus every year. This is done with the help of Social Welfare Department of Thodupuzha Municipality, and the nearby special schools and National Service Scheme of the college. The student volunteers perform cultural activities along with them for their mental boost.

The students of National Service Scheme associate with Taluk hospital in palliative care campaign. The students associate with the Taluk hospital for the care of bed ridden patients by visiting the patients and render them medical aids and talk with them to alleviate their pain. The students also campaign against the life style diseases by conducting awareness rally with the support of the medical department.

The students are always willing to serve the society by all means. They voluntarily donate blood on National Blood Donation Day, World Aids Day and whenever it is needed. The National Service Scheme of the College co-ordinates these activities. Awareness rally, flash mobs, street plays, skits etc are some means chosen to convey the message of blood donation to the public.

Blood donation programme is one of the important social extension activities of Newman College. Annually, around 250 students get participated in blood donation programme in connection with National Blood Donation Day and World Aids Day. Apart from this, the members of our Blood Donation Forum “KOOTTU” formed by the students are individually donating blood to the needy, either through the blood bank of Indian Medical Association, Thodupuzha or individually to the hospitals.

As recognition of this, the college has been acknowledged as the best participating college in blood donation by the IMA. Our NSS Programme Officer Dr. K. V Alice has been selected as the best Programme Officer in the district by the District Medical Office. A team of our NSS students prepared Documentary Film, **LIFE**, which spread the message of blood donation.

To bring the differently abled students to the mainstream, Newman college conducted sports meet to the physically and mentally challenged students. A special sports meet has been conducted for them in our college ground on 11 December 2014.

### **3.6.3 Ensuring Stakeholder Participation in Quality Enhancement**

It is important to note that all extension activities undertaken by the college will succeed only with the active involvement of stakeholders like general public, people's representatives, parents, alumni etc. Their perception on the functioning of the college is ascertained through several means. One such mechanism is to have an annual gathering of different categories of stakeholders. We organise meets of parents, alumni and people's representatives every year and seek their feedback on the quality of services provided by the institution.

### **3.6.4 Streamlining the extension activities of the college**

In order to streamline the extension and outreach activities of the college, a cell has been constituted in the college under the leadership of a senior teacher, who is designated as Staff Adviser. It is his responsibility to co-ordinate the activities of all extension units in the college like NSS, NCC etc. Both the NSS and NCC are govt. funded clubs. Apart from the funds received from the govt, the college management also sanctions sufficient money to carry out worthy projects. The extension and outreach programmes carried out by the

college are capable enough to transform the ordinary students to socially useful students.

**3.6.5** It is heartening to observe that large number of students are attracted towards the activities of NSS, NCC and other extension activities. The strategy adopted for attracting students is to give proper orientation to the newcomers in the beginning itself. All the newly admitted students are called to the auditorium and the co-ordinators of each club will address them focussing on the advantages of being a member of such clubs.

**3.6.6** For the purpose of empowerment of weaker students, the college has a UGC sponsored Equal Opportunity Cell which arranges awareness and capacity building programmes to integrate them to the mainstream of the campus community. We have two special schemes supported by the state government to strengthen the capacities of dalit students. One is called the Additional Skill Acquisition Programme (ASAP) which gives special training to SC/ST students in computer knowledge and communicative skills. Another programme is the Diploma in Computer Applications under the sponsorship of Dept. of Continuing Education, Govt. of Kerala. These courses are given to students free of cost. The UGC sponsored Remedial Coaching Programme and Coaching Classes for Entry into Services also are of great help in empowering the underprivileged students.

**3.6.7** Considering the fact that the college gives due weightage to the extension and outreach activities, the student community gets immensely benefited. They are motivated and inspired to pursue their academic career in a more serious manner. Also they imbibe the much needed societal values to become better human beings. The benefits of the extension activities are reflected on the campus in the form of a peaceful and cordial atmosphere prevailing there in.



### 3.6.8 Ensuring Community Participation in Extension Activities

The campus community partnership is very essential for the successful implementation of any extension activity. The involvement of local people is availed by the NSS in all its activities. The NSS adopts a nearby village for the implementation of their programmes. The volunteers construct roads and houses for the poor and undertake campaign against social evils in the village. The total community under the leadership of the panchayat member often extends all possible helps to the volunteers in the implementation of their schemes in the village. For the purpose of attracting local people towards collaboration with the NSS volunteers, cultural programmes are also being staged in the village.

### 3.6.9 Institutional Linkage for Extension Activities

The college has collaborated with the *Kudumbasree* units in the locality to implement the Sasthramam project. The project envisages the popularisation of science in villages. The science teachers of the college visited schools in the far flung areas of the Idukki district and spread the message of scientific temper among students. The ordinary students are exhorted to develop a scientific outlook towards their living practices. The district administration of the *Kudumbasree* scheme is very helpful in successfully implementing the *Sastragramam* project.

Similarly, the collaboration with the Kothamangalam ‘Social Service Society is established for the successful conduct of the Ford Pathways to Higher Education’ under the sponsorship of Ford Foundation, USA. The co-operation of Kothamangalam Social Service Society is sought in implementing the training programme for the local women on manufacturing rubber products.

### 3.6.10 Recognition for Extension Activities

The major extension wing of the college is NSS which has been accredited as one of the five best NSS units in M.G. University, three times during the last five years. Dr. K.V. Alice, Dr. Saju Abraham and Prof. Benny Mathew have been recognised as the best Programme Officers during the period. The Principal of the college, Dr. T.M. Joseph has also been issued a certificate of merit for his contribution towards the promotion of NSS in the college.

## 3.7 Collaboration

### 3.7.1 Collaborative Research with Other Institutes

The college has developed linkages with other research institutions and industrial units in the good interests of the researchers and students. Some of our science faculty have collaboration with the reputed research institutions in the country. Dr. Joe Jacob of Physics department was an Associate Fellow in the Inter-University Centre for Astronomy and Astrophysics (IUCAA) Pune during 2008-2014. He frequently visited IUCAA and interacted with the professors over there. Our students also visited IUCAA for project works and workshops. Dr. Lovely Mathew of Chemistry department has collaborative research works with the Departments of Chemistry at M.G. University and Cochin University of Science and Technology (CUSAT). The faculty of different universities and research institutes visit the college for seminars and lectures too often. The students of the college are taking due advantage of such opportunities.

**3.7.2** Apart from the collaborative arrangements with national level research institutions and universities, the college has also got collaborations with industrial units in the neighbourhood in such a way as to foster the development of the institution.

### 3.7.3 Campus- Industry Collaboration for Community College

One major instance of industry-institution collaboration is that of the conduct of UGC sponsored Community College scheme in the college. Under the scheme, the college is running two diploma courses in Rubber Technology and Dairy Sciences. These courses are required to be done with the collaboration of industrial units. For the conduct of diploma course in Rubber Technology, the college has entered into an MOU with the Lunar Rubbers, Thodupuzha. And for the conduct of diploma course in Dairy Sciences, the industrial partner identified is 'Jeeva Milk', Pareekanni, near Kothamangalam. The collaboration with these two industrial establishments have turned to be very useful in knowledge creation, building up infrastructural facilities, laboratory facilities and placement services.

Many industrial units and Banks have visited the campus for recruitments during the last four years. The details of students selected through campus recruitments are given below.

Sl. No.	Name of the Firm	Position	Year			
			2010-2011	2011-2012	2012-2013	2013-2014
1.	South Indian Bank	Clerk	2	10	16	23
2.	Federal Bank	Clerk	-	-	4	9
		Officer	-	-	0	2
3.	HDFC Bank	Clerk	-	-	-	6
4.	Wipro Ltd		-	-	-	6
5.	Infosys Ltd	Operation Executive	-	-	-	4
6.	MGF	Marketing Assistant	-	-	-	15

7.	HDFC CC	Marketing Executive	-	-	-	11
8.	Eureka	Marketing analyst	-	-	-	22
9.	HDFC	Junior Manager	-	-	-	16
10.	BMA	Junior Manager	-	-	-	18
11.	Sutherland	Junior Manager	-	-	-	11
12.	Idea	Junior Manager	-	-	-	12

### 3.7.4 Eminent personalities on the campus

As part of the knowledge dissemination process, the college has invited a host of eminent scientists and scholars to the campus for lectures and seminars. The college organises ten memorial/ endowment lectures every year by eminent scholars. In addition, the college organises on an average, five national seminars every year.

The college has also launched a monthly lecture series since February 2013. On every first Friday, an outstanding scholar will deliver a lecture at 2.45 p.m. This lecture series is well appreciated by the academic community. Teachers, students and members of the general public also attend these lectures.

#### List of eminent personalities visited the campus (2008-2015)

Sl. No.	Name of the Eminent Scholar Visited	Title of the programme	Organising department	Date
1.	Dr. Anna Ludhagen, Swedish Univeristy of Agricultrual Sceinces	Seminar on Biodiversity	Zoology	15-1-2009
2.	Dr. A.M. Mathai, MC Gill University, Canada	Seminar on "Random Volumes"	Mathem-atics	11/11/2009

3.	Dr. M.K. Mohanan	Common fest	Commerce	29/01/2010
4.	Sri. K. B. Somanathan	Modern Trends in Accounting	Commerce	03/01/2008
5.	Prof. Gian Franco Basti Lateran University, Italy	Science & Philosophy (Ontology)	Physics	04/09/2014
6.	Dr. A.J. Jose	Prospectus of tourism	Commerce	23/01/2009
7.	Stephen Brien, Catherine Brien (U.K)	International Workshop on Shakespearean Theatre	English	26 /8/2011
8.	Prof. Nigil Pleming, U.K	International Workshop on English Romantics- "Wordsworth Wonderland"	English	25/1/2012
9.	Prof. Thomas Cattoi- Santa Clara University, USA	Indo American Cultural Exchange Programme	English	18/1/ 2013
10.	Prof. Basil Clark, Professor of Sociology, Glasgow University, Scotland	Special Lecture on Literature and Ethics	English	11/11/ 2014
11.	Dr. Jayadeep Sarangi, Renowned Poet	National Seminar on Poetic Tools	English	16/1/ 2009
12.	Dr. Aju Mukhopadhyaya, Renowned Critic and Poet, Bi-lingual writer of fiction and essays	National Seminar on Poetic Tools	English	16/1/ 2009
13.	Dr. Sunil Sharma, Mumbai University	Natonal Seminar on The Genre of Indian English Short Stories: Challenges and Opportunities	English	23-25/9/ 2010

14.	Dr. Rajkamal Shiromani, Patna	National Seminar on The Genre of Indian English Short Stories: Challenges and Opportunities	English	23-25/9/2010
15.	Dr. Lakshmi Prasad, Andhrapradesh	National Seminar on The Genre of Indian English Short Stories: Challenges and Opportunities	English	23-25/9/2010
16.	Dr. Srikumar, Chennai	National Seminar on The Genre of Indian English Short Stories: Challenges and Opportunities	English	23-25/9/2010
17.	Dr. K. G Paulose, Former V.C, Kalamandalam University, Thrissur	National Seminar on Women in Theatre: Noopuranganam	English	13-14/12/2011
18.	Sri. Sureshkumar	Modern Trends in Accounting	Commerce	03/01/2008
19.	Sri. V.K. Joseph	Entrepreneurship Development	Commerce	03/01/2008
20.	Dr. R. Varanthagopal	Seminar on Research methodology	Commerce	25/08/2011
21.	Dr. Santhoshkumar	Seminar on Research methodology	Commerce	25-08-2011
22.	Mr. George Luka	Interview techniques	Commerce	22-01-2009
23.	Mr. T.S. Soman	Personality Development	Commerce	03/02/2009
24.	Prof. Mohankumar	Research Methodology	Commerce	08/02/2009
25.	Adv. Biju P.S.	Legal Awareness	Commerce	29/02/2009
26.	Prof. M.J. Jacob	Agricultural debt relief	Commerce	29/02/2009
27.	Dr. P.C. Cyriac	National Seminar on Indian Capital & Commodity Markets	Commerce	6/9/2012

28.	Vivek Krishna Govind	National Seminar on Indian Capital & Commodity Markets	Commerce	6/9/2012
29.	Anand Shenoy	National Seminar on Indian Capital & Commodity Markets	Commerce	6/9/2012
30.	Robert Pavrvey	National Seminar on Indian Capital & Commodity Markets	Commerce	7/9/2012
31.	Smithesh Amul Desai	National Seminar on Indian Capital & Commodity Markets	Commerce	7/9/2012
32.	Prof. Sunny Thomas (Dhoranacharya awardee)	Self Control and Personal discipline	Physical Education	6/2/2011
33.	Mr. K. P. Thomas (Dhoranacharya Awardee)	Sports meet inauguration	Physical Education	19/2/2013
34.	Mr. T.C. Mathew (Vice President of BCCI)	Inauguration of Inter collegiate cricket tournament	Physical Education	10/11/2012
35.	Dr. Binu George Varghese (Secretary of Kerala Sports Council)	M.G. University Intercollegiate Volleyball tournament	Physical Education	23/11/2013
36.	Dr. M.R. Raghava Varrier, Former Professor of Calicut University	Seminar on Renaissance in Kerala	History	24/08/2011
37.	Dr. Puthussery Ramachandran Kerala University	Kannasa Memorial Talk	Malayalam	15/9/2011
38.	Prof. (Dr.) Anil Kumar, NMR Research Centre, IISc. Bangalore	National Conference on Advances in Spectroscopy	Chemistry	28/2/2013
39.	Prof. (Dr.) K. V. Ramanathan, IISc. Bangalore	National Conference on Advances in Spectroscopy	Chemistry	01/03/2013

40.	Prof. (Dr.) S. Sugunan, Dept. of Chemistry, CUSAT,	National Conference on Advances in Spectroscopy	Chemistry	01/03/2013
41.	Prof. (Dr.) Sabu Thomas, MG University	National Conference on Advances in Spectroscopy	Chemistry	02/03/2013
42.	Prof. (Dr.) A. C. Kunwar, ICT, Hyderabad	National Conference on Advances in Spectroscopy	Chemistry	28/02/2013
43.	Prof. (Dr.) N. Suryaprakash, IISc. Bangalore	National Conference on Advances in Spectroscopy	Chemistry	28/02/2013
44.	Prof. (Dr.) K. E. George, CUSAT	National Conference on Advances in Spectroscopy	Chemistry	02/03/2013
45.	Dr. Anilkumar, Bruker India (Pvt.) Ltd., Mumbai	National Conference on Advances in Spectroscopy	Chemistry	02/03/2013
46.	Dr. Sreedharan Prathapan, CUSAT	National Conference on Advances in Spectroscopy	Chemistry	01/03/2013
47.	Prof. (Dr.) Ragothama, IISc. Bangalore	National Conference on Advances in Spectroscopy	Chemistry	02/03/2013
48.	Dr. K. T. Thomson, CUSAT	National Conference on Advances in Spectroscopy	Chemistry	15/02/2012
49.	Dr. Bijoy Nandan, CUSAT	National Conference on Advances in Spectroscopy	Chemistry	14/02/2012
50.	Dr. A. Anoop, IIT, Kharakpoor	V. A. Mathew Memorial Talk 2015	Chemistry	14/02/2015
51.	Dr. E. P. Yashodharan, CUSAT	National Conference on Climate Change: Issues and Strategies	Chemistry	14/02/2012
52.	Prof. (Dr.) Abdul Aziz, Former Vice Chancellor, CUSAT	National Conference on Climate Change: Issues and Strategies	Chemistry	13/02/2012
53.	Prof. Dr. M.R. Rameshkumar N Goa, India	National Conference on Climate Change: Issues and Strategies	Chemistry	13/02/2012



54.	Dr. Jayasree Ravadekar IITM, Pune	National Conference on Climate Change: Issues and Strategies	Chemistry	13/02/2012
55.	Dr. Hamza Varikodan IITM, Pune	National Conference on Climate Change: Issues and Strategies	Chemistry	14/02/2012
56.	Mr. Tran Minh Nhru M.G. University, Kottayam	National Conference on Climate Change: Issues and Strategies	Chemistry	14/02/2012
57.	Dr. Bijulal, School of M.G.University Kottayam	National Conference on Climate Change: Issues and Strategies	Chemistry	15/02/2012
58.	Fr. Thomas Peelianical Kuttanadu Vikasana samithi	National Conference on Climate Change: Issues and Strategies	Chemistry	15/02/2012
59.	Dr. V.S. Achari, CUSAT	School of Environmental Science, CUSAT, Kochi	Chemistry	14/02/2012
60.	Prof. (Dr.) Kuruvila Joseph, HoD of Chemistry, IIST, TVM, KERALA	National Science Day Celebrations-2014	Chemistry	2014
61.	Dr. C. Kannan, CUSAT	National Seminar on General Informatics-2012	Chemistry	18/09/2011
62.	Dr. Santhoshkumar, CUSAT	National Seminar on General Informatics-2012	Chemistry	18/09/2011
63.	Dr. Swaroop, Ontario University, Canada	Lecture on Raman Spectroscopy	Chemistry	2013
64.	Dr. Sunny Kuriakose Dean FISAT, Angamaly & President of KMA	National Seminar on Mathematical Morphology and Digital Topology	Mathematics	13/11/2014
		Recent Trends in Fuzzy Mathematics and its Applications		22/8/2011

		Workshop on CBCSS		14/8/2009
65.	Dr. P. T. Ramachandran University of Calicut	National Seminar on Mathematical Morphology and Digital Topology	Mathematics	13/11/2014
66.	Dr. Ramkumar P. B. AdiSankara Institute of Engineering & Technology, Kalady	National Seminar on Mathematical Morphology and Digital Topology	Mathematics	13/11/2014
67.	Sri Bino Sebastain M.A College, Kothamangalam,	National Seminar on Mathematical Morphology and Digital Topology	Mathematics	14/11/2014
68.	Dr. Neelakanthan P.C. AdiSankara Institute of Engineering & Technology, Kalady	National Seminar on Mathematical Morphology and Digital Topology	Mathematics	14/11/2014
69.	Dr. N. Sivasankar, Amritha University, Coimbatore .	National Seminar on Mathematical Morphology and Digital Topology	Mathematics	14/11/2014
70.	Dr. Johnny Scaria, Nirmala College, Muvattupuzha	National Seminar on Advances in Statistical Theory and Computational Applications (ASTCA)"	Statistics	30/08/2013
71.	Dr. Johnny Scaria, Nirmala College, Muvattupuzha	National Seminar on ASTCA	Statistics	12/12/2014
72.	Dr. K. K Suresh, Bharathiyar University,Coimbatore, Tamilnadu.	National Seminar on ASTCA	Statistics	30/8/ 2013
73.	Dr .B Rajeev, Indian Statistical Institute, Bangalore	National Seminar on ASTCA	Statistics	29/08/2013

74.	Dr. Joy Jacob St. Thomas College, Pala,	National Seminar on ASTCA	Statistics	29/08/2013
75.	Dr. Dais George, Catholicate college, Pathanamthitta.	National Seminar on ASTCA	Statistics	30/08/2013
76.	Dr. K. K. Jose St.Thomas College, Palai	Statistical inference& Mathematical Analysis	Mathematics & Statistics	11/01/2013
77.	Dr. K. V. Thomas Bharatmatha College, Thrikakara	Statistical inference& Mathematical Analysis	Mathematics & Statistics	11/01/2013
78.	Dr. Thomas Mathew, Maryland University, U.S.A	Statistical inference& Mathematical Analysis	Mathematics & Statistics	11/01/2013
79.	Dr. Unnikrishnan Nair, CUSAT	Statistical inference& Mathematical Analysis	Mathematics & Statistics	10/01/2013
80.	Dr. Thomas Mathew, Maryland University, U.S.A	Statistical inference& Mathematical Analysis	Mathematics & Statistics	11/01/2013
81.	Dr. E. Krishnan, University of Kerala	Statistical inference& Mathematical Analysis	Mathem- atics & Statistics	11/01/2013
82.	Asha Gopalakrishnan, CUSAT, Kochi	Seminar on Experimental Design and Self Similarity	Statistics	3/08/2011
83.	Sunoj S. M, CUSAT, Kochi	Seminar on Experimental Design and Self Similarity	Statistics	3/08/2011
84.	Dr. Satheesh S, BSNL, Thrissur,	Seminar on Experimental Design and Self Similarity	Statistics	3/08/2011

85.	Dr. K. V. Thomas Bharatmatha College, Thrikakara	Applications of Fuzzy Mathematics	Mathematics	11/02/2011 &
86.	Dr. Paul Raj Joseph, M. S University, Tirunelveli	Recent Trends in Fuzzy Mathematics and its Applications	Mathematics	22 -9 -2011
87.	Dr. Sheela C. FISAT, Angamaly	Recent Trends in Fuzzy Mathematics and its Applications	Mathematics	22/09/2011
88.	Dr. N. Chandrasekaran, BIM, Bangalore	Recent Trends in Fuzzy Mathematics and its Applications	Mathematics	23/09/2011
89.	Dr. V. Lakshmanagomathy Nayagam, NIT, Tiruchirapalli	Recent Trends in Fuzzy Mathematics and its Applications	Mathem- atics	23/09/2011
90.	Dr. Sunil Jacob John, NIT, Calicut	Recent Trends in Fuzzy Mathematics and its Applications	Mathem- atics	23/09/2011
91.	Dr. Jayaraju, Gandhigram Rural University, Dindigal	National Seminar on The Genre of Indian English Short Stories: Challenges and Opportunities	English	23-25/9/ 2010
92.	Dr. Sangeetha Sharma, Mumbai	National Seminar on The Genre of Indian English Short Stories: Challenges and Opportunities	English	23-25/9/ 2010
93.	Dr. Jose George, M. A. College, Kothamangalam	National Seminar on Women in Theatre: Noopuranganam	English	13-14/12/ 2011
94.	Prof. Chandradasan, St. Albert's College Cochin	National Seminar on Women in Theatre: Noopuranganam	English	13-14/12/ 2011
95.	Pro. Rajarajeswari, St Xavier's College Thumba	National Seminar on Women in Theatre: Noopuranganam	English	13-14/12/ 2011

96.	Sr, Anitta Manuel, KCG College Chennai	National Seminar on Women in Theatre: Noopuranganam	English	13-14/12/ 2011
97.	Rev. Dr. Benoy Pichalakkattu, Santa Clara University USA	Indo-Anglian Cultural Exchange Programme	English	18/1/2013
98.	Dr. S. Sankar, Kerala Forest Institute, Peechi	National Seminar on Bio-Regional and Eco Critical Discourses Nature and Narration	English	23-24/1/ 2014
99.	Dr. S. Murali, Pondichery Central University	National Seminar on Bio-Regional and Eco Critical Discourses Nature and Narration	English	23-24/1/ 2014
100.	Dr. Sujatha Vijayarakhavan, Pondichery Central University	National Seminar on Bio-Regional and Eco Critical Discourses Nature and Narration	English	23-24/1/ 2014
101.	Dr. Meena T. Pillai, University Center, Kerala	National Seminar on Subaltern Chronotopes: Issues and Strategies	English	20-21/10/ 2014
102.	Dr. Sibi James, St. Thomas College Pala	National Seminar on Subaltern Chronotopes: Issues and Strategies	English	20-21/10/ 2014
103.	Dr. Dilip Raj, Maharajas College	National Seminar on Subaltern Chronotopes: Issues and Strategies	English	20-21/10/ 2014
104.	Prof. S. Joseph, Maharajas College	Special Lecture on Poetry and Translation	English	21/10/2014
105.	Charu Niveditha, Renowned Tamil Poet and Writer	Special Lecture on Cultural Pluralism in Contemporary India	English	09/1/2015

106.	Sri. C. K. Janu, Adhivasi Leader and Social Activist	Special Lecture on The Politics of Survival	English	16/1/2015
107.	Dr. Aju Narayanan, UC College Aluva	Special Lecture on Folk Culture in connection with Folk Fest	English	16/1/2015
108.	Prof. Balachandran, MG University	Lecture on Trends in Theatre in connection with Drama Fest	English	12 Dec 2015
109.	Dr. Abraham Daniel	Lecture on Approaches to the Study of History	History	21/7/2010
110.	Prof. Beena Paul	Lecture on Contributions of Prof. A. Sreedhara Menon	History	26/7/2010
111.	Prof. S. Sindu	Training Programme in General informatics	History	25- 27/11/2010
112.	Dr. Francis C. Peter Vice Chancellor, K.N. Modi University Rajasthan	Higher Education in Changing Times	History	4/1/2010
113.	Dr. M.R. Raghana Varier	Historical Background of Renaissance in Kerala	History	24/8/2011
114.	Dr. Pius Malekandathil	Thonikuzhy Memorial Lecture	History	29/3/2012
115.	Prof. Aditya Mukherjee	Colonial & Post colonial Env. History of India	History	24-25/2/ 2014
116.	Prof. Kunjikrishnan	Colonial & Post colonial Env. History of India	History	24- 25/2/2014
117.	Dr. V.S. Vijayan	Colonial & Post colonial Env. History of India	History	24- 25/2/2014

118.	Sri. Neelakandan Namboothiri	Colonial & Post colonial Env. History of India	History	24-25/2/2014
119.	Dr. Santhosh Kumar Malua	Colonial & Post colonial Env. History of India	History	24-25/2/2014
120.	Prof. Sebastian Joseph	Colonial & Post colonial Env. History of India	History	24-25/2/2014
121.	Prof. K.M. Sheeba	Colonial & Post colonial Env. History of India	History	24-25/2/2014
122.	A. Jayakumar	History through cinema	History	15/12/2009
123.	Shan Eugene	Archaeological environmentalism	History	5/2/2009
124.	Dr. K.K. Vijayan, (CIBA)	Fisheries and Aquaculture: Prospectus in Kerala	Zoology	3/12/2014
125.	Dr. Baby Joseph (Nagarjuna Herbal Concentrates)	State Level Seminar on Bioconservation	Botany	03/02/2010
126.	Dr. C. Kunhikkannan IFGTB. Coimbatore	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	02/09/2010
127.	Dr. Joy P. Joseph	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	02/09/2010

128.	Dr. Prithipal Singh Kirorimal College, University of Delhi,	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	02/09/2010
129.	Dr. Gracy Mathew Aromatic and Medicinal Plants Research Station, Odakkali)	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	02/09/2010
130.	Mr. Salvy Thomas (S. B. College, Changanacherry)	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	03/09/2010
131.	Dr. M. Balasundaran Kerala Forest Research Institute	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	03/09/2010
132.	Dr. Rameshkumar K. B. TBGRI, Palode, Thiruvanantha- puram	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	03/09/2010



133.	Dr. Biju H. (TBGRI, Palode, Thiruvanantha- puram)	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	03/09/2010
134.	Dr. Santhosh Kumar E.S. (TBGRI, Palode, Thiruvanantha- puram)	UGC - National Seminar on Conservation & Sustainable Utilization of Redlisted Medicinal plants of Western Ghats of India	Botany	03/09/2010
135.	Prof. Kochuthresia Thomas (Member, Idukki District Child Welfare Committee)	Invited talk on Specialties of Adolescence	Botany	17/01/2011
136.	Sri. Sabu M. Simon (Senior Programme Officer, PDS)	State Level Seminar on Modern Trends in Organic Farming	Botany	23/08/2011
137.	Dr. C. M. Joy (Dept. of Botany, S. H. College Thevara)	State Level Seminar on Environment Hazards of Plastic: Search for Alternatives	Botany	22/03/2012
138.	Dr. Jagdish Krishnaswamy ATREE, Bangalore	UGC - National Seminar on Environmental Impact Assessment	Botany	27-28/11/ 2014
139.	Dr. A. R. R. Menon (Rtd. Scientist, KFRI, Peechi)	UGC - National Seminar on Environmental Impact Assessment	Botany	27/11/2014

140.	Sri. C. R. Neelakandan (Environmental activist)	UGC - National Seminar on Environmental Impact Assessment	Botany	27/11/2014
141.	Adv. Harish Vasudevan (High Court of Kerala)	UGC - National Seminar on Environmental Impact Assessment	Botany	28/11/2014
142.	Dr. S. Bijoy Nandan School of Marine Sciences, CUSAT)	UGC - National Seminar on Environmental Impact Assessment	Botany	28/11/2014
143.	Dr. Ratheeshkumar T. University of Geneva	UGC - National Seminar on Environmental Impact Assessment	Botany	28/11/2014
144.	Mr. Ignatius Antony St. Thomas College, Thrissur	UGC - National Seminar on Environmental Impact Assessment	Botany	28/11/2014
145.	Dr. Jomy Augustine St. Thomas College, Pala	UGC - National Seminar on Environmental Impact Assessment	Botany	27/11/2014
146.	Dr. M. E. Kuriakose K.G. College, Pampady	UGC - National Seminar on Environmental Impact Assessment	Botany	28/11/2014
147.	Dr. Benny Jacob M. A. College, Kothamangalam	UGC - National Seminar on Environmental Impact Assessment	Botany	28/11/2014
148.	Dr. Gigi K. Joseph Nirmala College, Muvattupuzha	UGC - National Seminar on Environmental Impact Assessment	Botany	28/11/2014
149.	Dr. Ratheeshkumar T. University of Geneva	Invited Lecture on Prospects of Cell and Molecular Biology	Botany	13/01/2015

150.	Dr. Alexis Jourdain University of Geneva	UGC - National Seminar on Environmental Impact Assessment	Botany	13/01/2015
151.	Prof. Jayant Murthy	Interstellar medium	Physics	22/12/2008
152.	Prof. Yogesh Wadadekar, NCRA, Pune.	IYA Inauguration	Physics	2010
153.	Prof. T. Padmanabhan, IUCAA, Pune.	An afternoon with an Astrophysicist	Physics	
154.	Watson P Warikat	Being an astronomer	Physics	27/7/ 2010
155.	Dr Gopakumar, TIFR, Mumbai.	Gravitational Waves	Physics	4/8/2014
156.	Dr A Ajith Kuamr, IIT, Delhi.	‘Expeyes’	Physics	28/08/2014
157.	Prof. M.R. Anantharaman, CUSAT, Kochi.	"Potentials of Nano Technology"	Physics	11/2/2011
158.	Dr Suresh V Vettoor	Quantum Harmonic Oscillator	Physics	12/2/2013
159.	Dr. Remesh Babu T, CUSAT, Kochi.	Postulate of quantum mechanics	Physics	27/2/2012
160.	Dr K P Satheesh, Rtd Govt. Brahnen College, Thalassery	'Quantum Mechanics, Angular Momentum'	Physics	18/4/2014
161.	Prof. Massimo Ramella and Dr. Marco Molinaro, INAF, Trieste, Italy.	"Science with Virtual Observatory"	Physics	10-13/10/ 2011
162.	Sri. P.C. Cyrias IAS	Workshop on Promotion of Ethics and Human values in Eduaction	Political Science	2010
163.	Sri. P.U. Thomas	Workshop on Promotion of Ethics and Human values in Eduaction	Political Science	2010

164.	Dr. Ruble Raj	Present financial crisis and its impact on India	Economics	4/12/2008
165.	Mr. Anto Antony Special Correspondent Economic times- New Delhi	Seminar on fiscal and monetary policy	Economics	14/12/2009
166.	Prof. K.M. Mathew K.E. College Mannanam	Seminar on Relevance of Asian Agreement	Economics	18/9/2010
167.	Dr. Jos Cthathukulam & Sri. T.V. Thilakan	Workshop on Forest Rights Act 2006	Political Science	18/9/2010
168.	Sri. C.V. Balamurali	Workshop on Forest Rights Act 2006	Political Science	18/9/2010
169.	Sri. P.J. Joseph MLA	National Seminar on Gandhian Strategies	Political Science	4/3/2011
170.	Dr.N.K. Jayakumar	Affirmative Action Policies in India	Political Science	24/3/2011
171.	Dr. S. Muraleedharan	Methodology of Social Sciences	Economics	22/8/2011
172.	Prof. P.G. Haridas	Methodology of Social Sciences	Economics	22/8/2011
173.	Dr. Vishakavarma	Methodology of Social Sciences	Economics	22/8/2011
174.	Dr. M.S. Vijayakumar	Methodology of Social Sciences	Economics	22/8/2011
175.	Dr. Joy George	Seminar on Research Methodology	Economics	28/9/2011
176.	Sri. Binoy Antony	Relevance of Gandhian Economics	Economics	31/7/2009
177.	Dr. Sukhpal Singh	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
178.	Dr. S. Rajendran	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013

179.	Dr. A.M. Jose	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
180.	Sri. S. Ramakrishnan	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
181.	Dr. Jos Chathukulam	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
182.	M.S. Shylendra	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
183.	M.S. John	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
184.	E.M. Thomas	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
185.	Sri. Kamlesh Narwana	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
186.	Nivedita Swain	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
187.	Suganthar S	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
188.	M.T. Ramesh	Seminar on privatisation of Education and social justice	Economics	10/10/2014
189.	Mathew Kuzhalsadan	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
190.	P.C. Cyriac	National Seminar on Public –private partnership	Economics, History, Politics	17-18 /4/2013
191.	Dr. Cyriac Thomas	Seminar on Cultural & Educational Rights of Minorities in Kerala	Economics, History, Politics	5/11/2014

### **3.7.5 MoUs for Greater Collaboration**

Though the college has linkages/ collaborations with some outside agencies/ institutions, such linkages resulted into formal agreements only in a few cases. An agreement with the Centre for the Study of Culture and Society (CSCS) Bangalore in 2010 resulted into the cultural exchange of students and teachers with eight other colleges in Kerala, Karnataka and Maharashtra, under the scheme “Ford Pathways to Higher Education” for three years. The exposure visits of students to other states resulted in the holistic development of students. The scheme was funded by the Ford Foundation, USA.

For the conduct of courses under Community College, two partner industries have been identified for the purpose of imparting practical training to students. MoUs have been signed with Lunar Rubbers for the Rubber Technology Course and with Jeeva Milk for the Dairy Science course.

Similarly, an agreement was made with the Indian Institute of Science and Religion, Pune for the conduct of Seminars, Competitions and Publications in the field of science and religion. The linkage was also proved very useful to the process of knowledge generation and development of students.

Also, an agreement was signed with a training centre called ‘Career Launcher’ for the purpose of giving coaching classes to students aspiring for jobs in govt. sector and banks. Many students have got jobs in this way.

Sl. No	Faculty & Department	Topic	Venue	Date
1	Vincent John K. English	Keynote Address literary Association Activities	Jai Rani Public School Thodupuzha	Aug 2011
	Vincent John K. English	Orientation Programme to School Teachers	Sanjo Public School Thodupuzha, Koduveli	June 2011
	Vincent John K. English	Talk on Communication Skills in English	B. Ed College Adimali	Aug 2011
	Vincent John K. English	Keynote Address, School Day Celebrations,	St. Sebastian's H. S. Thodupuzha	Feb 2009
	Vincent John K. English	Inagurated Arts Festival	Govt. High School Koduveli	Sep 2008
	Vincent John K. English	Harry Porter Day Celebrations	Village International School, Kumaraman-galam	Oct 2009
2	Dr. Sr. Leelamma Mathews English	School Day Celebrations Chief Guest	Jai Rani Public School, Mupliyal, Irinjalakkuda	Jan 2008
	Dr. Sr. Leelamma Mathews English	Inaguration of Literary Association Activities	Jai Rani Public School Thodupuzha	Jun 2009

	Dr. Sr. Leelamma Mathews English	School Day Celebration Chief Guest	St. Joseph UPS, Parappuzha	Jan 2009
	Dr. Sr. Leelamma Mathews English	Chief Guest, Nursery School Celebration	Jai Rani Nursery School, Mundanmudy	Jan 2009
	Dr. Sr. Leelamma Mathews English	Jai Rani Public School Pravesonol-savam Keynote Address	Jai Rani Public School Thodupuzha	Jun 2009
3	Prof. Leena Mathews English	All India Radio, Trivandrum-Discussion Empowering the Adolescent girls	Trivandrum	21 Nov 2011
4	Dr. Sr. Alphosa P. O. English	Conducted A Class for Mothers	Mullaringadu	10 Feb 2013
5	Dr. Sr. Aniamma V. M. English	Inagurated English Literary Association,	St. Joseph College, Mulamattom	31 Jul 2012
	Dr. Sr. Aniamma V. M. English	Inagurated English Literary Association	Nirmala College Muvattupuzha	11 Sep 2012
6	Dr. Bijimol Thomas English	Inagurated Women Cell Activities	Pavanathma College Murikkassery	23 Sep 2009
	Dr. Bijimol Thomas English	Keynote Speaker, International Women's Day Celebrations	St. Mary's Church Kuttampuzha	8 Mar 2012



	Dr. Bijimol Thomas English	Alumni Day Celebrations- Keynote Speaker (Topic: Self Esteem)	Alphonsa College Pala	14 Dec 2012
	Dr. Bijimol Thomas English	School Day Celebrations Chief Guest	Govt. High School Alakode	22 Jan 2013
	Dr. Bijimol Thomas English	School Day Celebrations Chief Guest	St. Mary's Nursery School Chunkam	28 Feb 2013
	Dr. Bijimol Thomas English	Inagurates Women's Cell Activities	Alphonsa College Pala	3 Sep 2013
	Dr. Bijimol Thomas English	Inaguration of Cultural Activities of the year 2012- 13	St. George's HS Muthalakudam	4 Jul 2013
	Dr. Bijimol Thomas English	Keynote Speaker, School Day Celebrations	Jai Rani School, Thodupuzha	Mar 2014
7	Sr. Leena P. Kuriakose English	Speech on Youth Today: Crisis and Solutions for Public – Annual Programme	Happy Residents Association Thodupuzha	26 Feb 2014
	Sr. Leena P. Kuriakose English	Class on Personality Development for High School Students	St. Augustine's G.H.S.S Kothamangalam	July 2012
	Sr. Leena P. Kuriakose English	on Faith and Values for High School Students	St. Augustine's G.H.S.S Muvattupuzha	Sep 2011

	Sr. Leena P. Kuriakose English	Class on Personality Development for High School Students	St. Joseph's G.H.S. Arakuzha	Nov 2010
8	Anu Joy Chemparathy English	Inagurated English Fest,	Vimala Public School Thodupuzha	14 Aug 2014
9	Krishnakumar M.V History	Recent Trends in Historiography	Henry Baker College	2013
10	Dr. Joe Jacob Physics	Astrophysics development centre	IUCAA Pune	2011

### 3.7.6 Institutionalising the Extension Activities

The college administration holds the view that the services of the higher education institutions like Newman College shall not be limited to the students of the college alone. With this perspective, the college regularly organises seminars, lectures, competitions and training classes which can be accessed by outsiders also.

Something special about the extension activities of the college is the one week long crash course in Communicative English to the Malayalam Medium students in the 10<sup>th</sup> standard from the nearby schools. The programme is called **Summer Showers** as it is normally held in summer vacation, every year. This course has been of great help to poor students as it is done completely free of cost. This programme has been running in the college ever since 2004.

The college also arranges several inter-collegiate competitions for the promotion of talents in other schools and colleges. A list of such competitions conducted over the last four years is given below.

Sl. No.	Date of Event	Name of the Event	No. of Participants	Prize money given
1.	Oct. 2012	Prof. C.J. Thomas Memorial All Kerala Inter-Collegiate English Literary Quiz (Litt Regatta)	14	Rs.10000
2.	22 Nov. 2013	„	17	Rs.10,000
3.	05 Dec. 2014	„	12	Rs.10,000
4.	22 Sept. 2012	Mar Punnakottil Sacerdotal Golden Jubilee Memorial All Kerala Inter-Collegiate Elocution Competition (Malayalam)	16	Rs.8000
5.	23 Jan. 2013	„	09	Rs.10,000
6.	16 Feb. 2013	„	12	Rs.6000
7.	25 Feb.2015	„	11	Rs. 6000
8.	22 Sept. 2012	Rev. Dr. John Vallamattam Memorial All Kerala Intercollegiate Elocution Competition (English)	08	Rs.8000
9.	23 Jan 2013	„	07	Rs. 10000
10.	16 Feb. 2014	„	10	Rs.6000
11.	25 Feb.2015	„	08	Rs.6000
12.	23 March 2013	Rony M. Joshy Memorial All Kerala Economics Quiz	14	Rs.10,000
13.	02 March 2013	All Kerala Inter-collegiate Gandhi Quiz	18	Rs.10,000
14.	04 March 2014	Dr. George Joseph Endowment Mathematics Quiz	07	Rs.5000
15.	16 Jan. 2010	M.G. University Inter Collegiate Statistic Quiz	09	Rs.6000
16.	12 Dec. 2014	„	06	Rs.5000

### Responsibility to different social segments

As part of the golden jubilee celebrations of the college, orientation and awareness programmes have been held during 2014-2015 with a view to sensitise them about the issues pertaining them. Such programmes have been widely appreciated by the civil society in Thodupuzha region. A few of such programmes are listed below.

Sl. No	Date	Target Group	Topic discussed	Key Resource Persons	No. of people attended
1.	21-08-2014	Elected Representatives of People	Local Governance and Regional development	Dr. P.P. Balan, Director KILA, Thrissur	70
2.	01-10-2014	Senior Citizens	Old age problems	Dr. Thomas C. Abraham	320
3.	11-10-2014	Drivers	Driving Etiquettes	Officers from Motor Vehicle Dept.	160
4.	02-11-2014	Teachers	Teachers and Nation building	Sri. P.J. Joseph	360
5.	12-11-2014	Parents	Responsible parenthood	Sri. Georgekutty Augusthy	950
6.	17-11-2014	Police Force	Human Rights	Sri. Rangarajan (Member, HR Commission)	75
7.	20-11-2014	Media Persons	Media and Ethics	Dr. Sebastain Paul	60
8.	09-12-2014	Farmers	Organic Farming	Dr. K.J. Joseph (KAU)	55
9.	11-12-2014	Mentally Challenged students	Recreation		90

10.	16-12-2014	Lawyers	Ethics in legal profession	Dr. N.K. Jayakumar, Former VC, NUALS, Kochi	35
11.	16-01-2015	Tribals	Tribal Rights	Smt. C.K. Janu Tribal Leader	120
12.	19-01-2015	Mothers	Awareness about Domestic Violence	Dr. J. Pameela Devi, Member, Women's Commission	75
13.	01-02-2015	Doctors	Medical Ethics	Dr. Santha Joseph, Former Director of Health Services	32
14.	12-02-2015	Businessmen	Goods & Services Tax (GST)	Dr. N. Ramalingam, Professor, GIFT, TVM	56

### Newman Youth Excellence Award

Another notable contribution in the field of extension activities is the distribution of the “Newman Youth Excellence Award” to the most brilliant and smart student among the aided Arts and Science colleges in Kerala. This award was introduced as part of the Golden Jubilee celebrations of the college in 2013-2014. The award carries a citation and cash of Rs.10,001. The awardee is selected by an independent panel of three eminent people from among the nominations made by the Principals of the affiliated colleges in Kerala. The first winner of this award was Ms. B. Arundhati, a III year B.A. Political Science student of University College, Thiruvananthapuram. The award was distributed by Prof. P.J. Kurien, Hon’ble Deputy Chairman of Rajysabha on 03-03-

2014. The second award in the series was given to Ms.Aseena M.Thaha, II B.A. English student of BCM College, Kottayam by Sri. Oommen Chandy, Hon'ble Chief Minister of Kerala on 02-03-2015. The award is instituted by the IQAC in association with the Newman Old Students Association. This award is considered to be the first of its kind in Kerala.

## **CRITERION IV**

### **INFRASTRUCTURE AND LEARNING RESOURCES**

#### **4.1 Physical Facilities**

##### **4.1.1 Approach on infrastructural facilities**

The policy of the college is to improve the infrastructural facilities and learning resources in the college. This can be done only by generating funds for infrastructural development. Therefore the college promotes the teachers to apply for funds from whichever sources they are available. The college planning board also tries to identify the priority areas and implement the development projects in a time bound manner.

##### **4.1.2 Availability of facilities on the campus**

The college has adequate infrastructural facilities for curricular and co-curricular activities. The college is spread over of four independent blocks. The office block houses the recently renovated Principal's office, Bursar's office, the Administrative office, Information Centre, Departments of Mathematics, Physics, Chemistry, Botany, Zoology and Commerce with their laboratories, class rooms and Electronic Equipment Maintenance Centre. In the second block, the spacious Library, the Auditorium and a bank with an ATM counter are located. In the third block, the Departments of English, Hindi, Malayalam, History and Economics are housed with their classrooms. The fourth block is occupied by the Canteen, Post Office, M.G. University Information Centre, M.G. University Study Centre, IGNOU Study Centre, Computer Centre, Counselling Centre, Fitness Centre, Yoga Centre, Staff Co-operative society, Bookstall and the Public telephone booth. There are 45 class rooms available to house all batches of

students. All class rooms are equipped with green/black boards, sufficient fans and tube lights. All postgraduate class rooms are equipped with LCD projectors. Some of the degree class rooms are also equipped with LCD projectors. There are 13 staff rooms with sufficient computers and other facilities. Five Science departments are having spacious laboratories. There is a well furnished and equipped English Language Laboratory to enhance the communication skills of students. The Smart Class Room with inter-active projector, visualiser, LED TV and computer enables the students to have hands on training. A digital display board is fixed at the entrance of the office block, giving timely information to the students and general public. The CCTV cameras are installed in different parts of the campus to check the instances of ragging and indiscipline among students. Separate museums are available in Botany and Zoology departments. Advanced research facilities are existing in Physics and Chemistry departments. Four air conditioned conference halls with all modern facilities are available to host national and international conferences and seminars. DST-FIST supported science laboratories are there in Physics, Chemistry, Botany and Zoology departments. A Botanical garden is also maintained. All these facilities make the teaching learning process lively and effective.

The facilities for extra-curricular activities are also good. Very spacious sports ground is there for athletics and outdoor games. The Ministry of Sports and Youth Affairs, Govt. of Kerala has built a multi-purpose play ground which can have Volleyball, Basketball and Tennis competitions. There is a UGC sponsored fitness centre. A special room for practising weight lifting and power lifting is also available. The auditorium is spacious enough to accommodate 1500 people. Separate rooms and facilities are available for the activities of IQAC, Women's Forum, Counselling Cell, NSS and NCC. A Yoga Training Centre is



also functioning in the college with training sessions in both morning and evening. Special facilities are also available for meditation, recreation, canteen, bookstall, co-operative society, drinking water, photostat, DTP, generator and transformer. Due emphasis is given to promote the cultural activities and public speaking skills of students.

#### **4.1.3 Optimal utilisation of available facilities**

The college has constituted a Planning Board which looks into the infrastructural landscape of the campus. Recently, the college has developed several infrastructural facilities like seminar halls, computer centre, language lab, ladies hostel, common room for ladies, recreation rooms, water coolers, toilets etc with the intention of providing all basic facilities to the students. Nearly five crore rupees have been spent for these projects. The college has now started the construction of a library cum academic block which is expected to be completed within two years.

#### **4.1.4 Infrastructural Facilities for the Differently Abled**

The planning board of the college takes care to see that the interests of the physically challenged are protected while undertaking infrastructural projects. In this way, a ramp has been constructed at the main entrance of the Office Block. A wheel chair accessible toilet has also been constructed.

#### **4.1.5 Residential Facilities Available**

The college has constructed a UGC sponsored ladies hostel with the capacity to accommodate 110 girls. There is annexe to the hostel which can accommodate 60 girls. Computer facility with internet access is provided in the Hostel. Reading room facility with sufficient newspapers and magazines are also provided in the Hostel. Common room with assembly hall is also there. The hostel has sufficient recreational facilities with television and facilities for small games. Desiring lady

teachers are given accommodation in the hostel. As the hostel is located adjacent to the Taluk Hospital, medical care can be availed in time. A security man is posted in the hostel.

#### **4.1.6 Health Care Facilities**

The college has the advantage of better health care facilities by virtue of its proximity to the Taluk Hospital and District Ayurveda Hospital. Whenever a staff or student fall sick on the campus, he/she is immediately taken to the Hospital and medical care is given. In the case of students undergoing prolonged medical treatment, he/she is given financial help from the students' welfare fund, on the recommendation of the staff council. In the case of staff undergoing prolonged medical treatment, the staff welfare committee takes the lead in making collection from the colleagues and hands over the money to the family / patient. In addition, a medical aid scheme has been put in place for the benefit of the non-teaching staff of the college. The scheme has been initiated by Rev. Fr. Paul Nedumpurath, the former Principal of the College, with liberal contribution from others.

#### **4.1.7 Facilities for Special Units**

The campus has sufficient facilities for all functional units of the college. It has provided separate spaces for units like IQAC, NCC, NSS, Women's Cell, Counselling, Career Guidance and Placement Cell, Canteen, Book Stall, Common Room for ladies, recreation, safe drinking water facility, auditorium etc. All these facilities are optimally utilised by the staff and students.

### **4.2 Library as a Learning Resource**

#### **4.2.1 Library Advisory Committee**

The college is credited with a very good library on its campus. It is considered to be the best in Idukki district. The quality of the library services is monitored by the Library Advisory Committee. The

committee is headed by the Principal and consists of seven other members of the teaching faculty. The Librarian is the secretary of the committee.

The Library Advisory Committee has taken certain significant steps to make the library services user friendly. One such decision was the computerisation of the library. The users can now search and find the status of books in the computer itself. Another step was the installation of CCTV camera in the library. The Library Advisory Committee has also made a recommendation to the effect that the timing of the library be extended till 7.30 p.m. instead of 4.30 p.m.

#### 4.2.2 Facilities in the Library

The library is quite spacious enough. It has a total carpet area of 8830 sq.ft. The library is equipped with 37 tables, 350 chairs and a separate generator to tide over the power failure. The library functions from 9.00 a.m. to 7.30 p.m. on working days and from 9.30 a.m. to 6.30 p.m. on holidays and vacation. Even the general public is permitted to access the library from 4.30 p.m. to 7.30 p.m. It has got a very spacious reading room. The library is having a UGC sponsored Network Resource Centre for accessing e-resources.

#### 4.2.3 Procurement of Learning Resources

New additions to the library are subscribed on the basis of the recommendations made by the teachers. Substantial amount of money has been spent by the library during the last four years, the details of which are given below.

Library holdings	2010-2011		2011-2012		2012-2013		2013-2014	
	No.	Cost	No.	Cost	No.	Cost	No.	Cost
Text books	1190	380138	2112	716801	1094	328244	542	162051
Reference books	11	14560	18	22100	15	16220	12	9800
Journals/ periodicals	124	72740	120	62206	110	45482	119	47928

(subscription & renewal)								
e-resources	N-List	5000	N-List	5000	N-List	5000	N-List	5000
Any other (specify)	Nil							

#### 4.2.4 ICT enabled services in the library

The college library gives top priority to make its services ICT enabled. With this purpose, the library facilities have been digitalised. The OPAC facility is available. The INFLIBNET service is available to access electronic resources and e-journals. The library is fully automated. Ten computers and two printers are put up for public access. All computers are internet enabled.

#### 4.2.5 Library usage

The library facility is utilised optimally by the teachers and students, the details of which can be had from the following table.

Average number of walk-ins	220 per day
Average number of books issued/returned	150 per day
Ratio of library books to students enrolled	28:1
Average number of books added during last three years	3740
Average number of login to OPAC	45
Average number of login to e-resources	18
Average number of e-resources downloaded/ printed	12
Number of information literacy trainings organised	Orientation programmes are conducted every year for UG and PG students. Two seminars are conducted for PG students, Librarians and Library Science Students.
Details of “weeding out” of books and other materials	Old and damaged books are written off. Three times the cost of the lost book is collected from the borrower.

#### **4.2.6 Specialised services in the Library**

A number of specialised services are offered by the library. The entrance to the Library is administered by the RFID (Radio Frequency Identification) cards that automatically scans and records individual IDs and allow entry. A reference section with 1250 volumes is there in the library. Reprographic services are offered in the library. Downloading and printing facilities are available. INFLIBNET facility is also available. The teachers and students are utilising these facilities to the fullest possible extent.

#### **4.2.7 Services of Library staff**

The Librarian and three library assistants working in the library are offering their best services to the users. They assist the users in spotting the books and journals and getting them issued. They also assist the users in accessing the e-resources through INFLIBNET. They give information about new arrivals of books and subscription of journals. They help the teachers and students on using OPAC. Photocopying of articles is done on request.

#### **4.2.8 Special Facilities in the Library for the Differently Abled**

Special care is extended to the visually and physically challenged students. The library staff provides all possible helps to them in accessing the library resources.

#### **4.2.9 Feedback Mechanism**

The facilities of the library are augmented on the basis of the aspirations and expectations registered by the users. The library has evolved an effective mechanism to collect the feedback from the users. A suggestion box is fixed in a prime place in the library. The teachers and students submit their impressions about the services offered by the library. The librarian is the custodian of the suggestion box. She presents

all the suggestions received before the Library Advisory Council which examines them and suggest improvements in the library services.

### 4.3 IT Infrastructure

#### 4.3.1 Availability of computing facility

The college has reasonably good number of computers to the benefit of teachers and students on the campus. There are altogether 138 computer systems with different configurations. Some account of their configurations is given below.

Configuration	No. of Systems
Windows XP	74
Windows 7	34
Linux	30

The computer student ratio is 1.11. The stand alone facility is available in 40 systems. All computers are connected with LAN. Wi-Fi facility is available in some parts of the campus. The licensed version of software is used in 65 systems. As many as 110 computers are connected with internet.

4.3.2 Sufficient computer systems are made available to the personal use of teachers and students. The staff room of every PG department is equipped with at least two internet enabled computers and every UG department with one. The library is having the facility of 10 internet accessible computers. In addition, there are two computer centres which can be freely accessed by the staff and students. These facilities are optimally used by the teachers and students alike.

#### 4.3.3 Upgradation and Maintenance of IT Infrastructure

The institution gives due importance to the supply and upgradation of ICT enabled services on the campus. The college aims at availing all schemes and projects offered by the UGC, DST and other funding

agencies. As a result, there is no shortage of computers, LCD projectors, and other electronic devices.

**4.3.4** The college has a Planning Board which gives proper directions for the procurement, up-gradation, deployment and maintenance of electronic devices in the institution from time to time. A detailed analysis on the budgetary allocations for these purposes over the last five years is given below.

Amount spent for IT infrastructure (year wise) in Rupees

Item	2010-2011	2011-2012	2012-2013	2013-2014
Procurement of Computer	474140	696000		176450
Up-gradation of Computer	30000	22000	33000	14000
Maintenance of Computer	8000	17000	5000	7000
Total	512140	735000	38000	197450

#### **4.3.5 Use of ICT in the teaching-learning process**

The staff council takes appropriate decisions with regard to the use of ICT enabled resources for the delivery of services in the class rooms. It issues directions to the faculty on the use of LCD projectors and computers in the class rooms. All PG class rooms are equipped with LCD projectors. Some of the final year degree class rooms are also provided with LCD projectors. The teachers are increasingly using them for taking classes. The students are also motivated to present their seminars and projects with the help of LCD projectors.

**4.3.6** Attempts have been made to provide the facilities of online learning to the students. For instance, the department of Physics had arranged two online training sessions with the collaboration of Inter-University Centre for Astronomy and Astrophysics, Pune. The students had found those virtual class rooms very useful.

**4.3.7** The college has availed the National Knowledge Network connectivity directly to 40 computers on its campus. These services are largely made use of by the students in accessing e-journals.

## **4.4 Maintenance of Campus Facilities**

### **4.4.1 Optimal allocation and utilisation of resources for the upkeepment of facilities**

The institution has made a breakthrough in the infrastructural development front over the last four years. It constructed a ladies hostel, renovated the front of the office block, constructed a new conference hall, renovated three conference halls, procured lot of equipment, furniture and other facilities. A detailed analysis about the amount of money spent on these items are given below.

#### **Amount of money spent for campus facilities (in Rupees) during 2010-2014**

Item	2010-2011	2011-2012	2012-2013	2013-2014
Building		1,10,000,00	2,30,000,00	
Furniture	50,000	5,000	8,000	75,000
Equipment	1356679	934866	544850	
Computers	474140	696000		176450
Others	188114	31074	174433	14400

**4.4.2** The college has a well functioning Planning Board and Building Committee for the purpose of developing the infrastructural landscape of the institution. These bodies give timely advices on the construction and renovation of buildings, procurement and maintenance of equipment and other facilities.

**4.4.3** The responsibility of properly maintaining the instruments and equipment is vested with the departments or sections in which they are installed. Those who are in charge of these sections will do the upkeepment of these devices. At the college level, two teachers are entrusted with the responsibility of looking after the maintenance of these devices.



**4.4.4** The college has developed an electronic equipment maintenance workshop for the purpose of effecting minor repairs for the systems. A faculty member is given charge of this workshop. A mechanic is also appointed for the purpose of monitoring voltage fluctuations, constant supply of water and other requirements.

Another remarkable facility of the college is the Astronomical Observatory attached to the Department of Physics. Night camps are arranged to facilitate the students to experience the wonders of space. This facility is also extended to other schools and colleges.



## **CRITERION V**

### **STUDENT SUPPORT AND PROGRESSION**

#### **5.1 Student Mentoring and Support**

##### **5.1.1 Information bulletins**

The institution does update and publish its prospectus/ handbook and news bulletin annually. The handbook contains all information about the college such as course details, rules and regulations, fee details, scholarship details, college calendar etc. The information is also updated on the college website. The MG University Information Centre functioning on the campus also provides all necessary information to the students. The staff council is vested with the responsibility of ensuring that the administration of the institution is carried out in the letter and spirit of the college hand book.

##### **5.1.2 Institutional support to students**

For the benefit of students, the college has managed to institute several endowments for the purpose of distributing scholarships to the students. Some of these scholarships are distributed on the basis of merit cum means, while others are given purely on the basis of merit. Currently, 25 such scholarships are distributed every year. They are normally distributed at the end of the academic year.

##### **Scholarships and awards at college level**

The college has instituted the following awards sponsored by the benefactors, teachers and alumni. The awardees will receive the interest of the endowment given against each award subject to the conditions set forth in the guidelines of each endowment.

## List of scholarship schemes instituted in the college

Sl. No.	Name of the Endowment	Sponsor	Amount deposited
1.	<b>Mar George Punnakottil award</b> for the Best NCC Cadet	NCC Unit	81,900
2.	<b>Sri. Joseph Kulathinal merit cum means award</b> (from among all students)	Sri. Joseph Kulathinal	1,07,896
3.	<b>Sri K.D. Francis award</b> for top scorer in SSLC among children of NTS, Newman College	Sri K.D. Francis	4,157
4.	<b>Msgr. Mathew Palamattam award</b> for top scorer in MA English (final)	Msgr. Mathew Palamattom	6,327
5.	<b>Prof. Sr. Berchumans memorial award</b> for top scorer in Part I English (upto IV Sem)	Family of Prof. Sr. Berchumans	2,500
6.	<b>Prof. Sr. Amanda memorial award</b> for top scorer in BA English (upto IV Sem)	Family of Prof. Sr. Amanda	2,500
7.	<b>Prof. Manuel Thomas memorial award</b> for top scorer in BA English (Final)	Family of Prof. Manuel Thomas	6,327
8.	<b>Prof Elizabeth Joseph award</b> for top scorer in MA English (upto II Sem)	Prof. Elizabeth Joseph	7,713
9.	<b>SABS sisters award</b> for top scorer in MA English (Final)	SABS Congregation	25,000
10.	<b>Prof T.S. Chacko award</b> for top scorer in B.Sc. Mathematics (upto IV Sem)	Prof. T.S. Chacko	3,557
11.	<b>Prof. K. Bhaskaran Nair award</b> for top scorer in M.Sc. Mathematics (Final)	Prof. Bhaskaran Nair	2,472
12.	<b>Prof. U.V. John Memorial award</b> for top scorer in B.Sc. Physics (upto IV Sem)	Family of Prof. U.V. John	1,000
13.	<b>Anusha Memorial award</b> for top scorer in B.Sc. Physics (Upto II Sem)	Classmates	1,927

14.	<b>Prof. V.A. Mathew memorial award</b> for top scorer in B.Sc. Chemistry (Upto IV Sem)	Family of Prof. V.A. Mathew	1,000
15.	<b>Prof. P.C. Abraham award</b> for top scorer in B.Sc. Chemistry (Upto II Sem)	Prof. P.C. Abraham	1,500
16.	<b>Dr. K.U. Joseph memorial award</b> for top scorer in Family of M.Sc. Chemistry (Upto II Sem)	Family of Prof. K.U. Joseph	12,054
17.	<b>Prof. Lucy James merit cum means award</b> (from among B.Sc. Chemistry students)	Prof. Lucy James	48,417
18.	<b>Prof. Kochuthressia Joseph award</b> for top scorer in B.Sc. Zoology (Final)	Prof. Kochuthressia Joseph	5,219
19.	<b>Prof. K.J. John award</b> for top scorer in B.Sc. Botany (Final)	Prof. K.J. John	3,557
20.	<b>Prof. Biniamma Abraham Award</b> for Top Scorer in B.Sc. Botany (Final)	Prof. Biniamma Abraham	20,000
21.	<b>A.S. Gafoor memorial award</b> for top scorer in B.A. Economics (Upto IV Sem)	Classmates	3,557
22.	<b>Rony M. Joshy memorial award</b> for top scorer in B.A. Economics (Final)	Family of Sri Rony M. Joshy	1,00,000
23.	<b>Jins Jacob memorial award</b> for top scorer in B.A. History (Upto IV Sem)	Classmates	3,142
24.	<b>Golden Jubilee memorial endowment award</b> for top scorer in B.A. History (Final)	1997-80 BA History Batch	26,969
25.	<b>Prof. M.J. John Award</b> for Top Scorer in M.Com (Upto II Sem)	Prof. M.J. John	6,327

### 5.1.3 State support to students

As much as 65% of total students on an average receive some kind of financial assistance from the govt. (both central and state) every year.

### Details of Scholarships Received from various Agencies

Sl. No	Name of the Scholarship	2010-11		2011-12		2012-13		2013-14	
		No. of Students	Amount	No. of Students	Amount	No. of Students	Amount	No. of Students	Amount
1	Central Sector Scholarship	5	50000	10	110000	21	252000	21	336000
2	KSHEC Scholarship	14	168000	21	252000	21	378000	26	560000
3	Kerala State Suvama Jubilee Merit Scholarship	12	120000	11	110000	9	90000	8	80000
4	Post Metric Scholarship	11	133000	66	198000	61	183000	104	312000
5	Indira Gandhi Scholarship for single child	-	-	02	74400	02	74400	01	37200
6	UGC Scholarship for SC/ST/Minority	74	216000	92	372000	-	-	-	-
7	Pratibha Scholarship	-	-	-	-	-	-	1	12000
8	Blind / PH Scholarship	3	5250	6	10725	7	16500	6	16500
9	C.H. Muhammad Scholarship	-	-	7	28000	7	28000	7	28000
10	Hindi Scholarship	-	-	2	12000	2	12000	2	12000
11	State Merit Scholarship	-	-	4	5000	3	3750	3	3750
12	Muslim Girls Scholarship	3	9000	12	36000	-	-	-	-

#### 5.1.4 Special support services

There are different types of support services/ facilities available for disadvantaged students. The SC/ST/OEC students receive monthly stipend and lumpsum grant from the state govt., in addition to the regular fee concessions. The OBC and SEBC students receive fee concessions. Scholarships and fee concessions are available for physically challenged students as well. All students are encouraged to

participate in state/national level arts/ sports/ cultural events or competitions. They are given travel concession too. Assistance is given to students to meet their medical expenses also. The college has instituted a special scheme titled “Student Welfare Fund” to help the students with prolonged illness. For the benefit of physically challenged students, the facilities of ramp and wheel chair accessible toilets are arranged.

#### Details of SC/ST, OBC, OEC, KPCR Scholarships

Scholar-ships	2010-11		2011-12		2012-13		2013-14	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount
KPCR	142	255600	160	288000	189	433755	115	313375
SC	160	91000	162	91805	69	94305	72	42000
ST	56	124320	70	33430	166	40300	109	62300
OBC	141	207531	118	131150	141	401850	146	394930
OEC	68	30130	71	31345	57	86450	41	23300
SEBC	42	102060	24	64320	13	2600	5	5552
FC	2	1181	12	7222	19	3850	22	4500
Total	611	811822	455	64962	654	1063110	410	845957

The college has an active Career Guidance and Placement Cell with a mission to enhance the employability of the student community. With this purpose, the cell organises coaching classes for various competitive examinations like Bank tests, PSC tests and UGC-NET. The success rate in these examinations is also reasonably good.

There are schemes for skill development also. The state govt. sponsored schemes of Additional Skill Acquisition Programme (ASAP), Scholar Support Project (SSP), walk with the Scholar (WWS) are of great help to those students who want to improve their communicative skills and knowledge levels. The spoken English club of the college gives training to students in the use of correct English. The college also runs a Diploma in Computer Application Course with the support of the state govt. This programme is received well by the student community.

The college has a UGC sponsored scheme of Remedial Coaching for slow learners. The slow learners are identified by the teachers and they are given special coaching by the teachers. The teachers are given honorarium for such classes at the rates fixed by the UGC.

#### Details of Remedial Coaching

Year	2010-11	2011-12	2012-13
No. of Sessions	121	49	111
No. of Students	43	39	36
Amount Utilized	250378	50179	62538

The students are allowed to go for exposure visits to other reputed educational institutions of higher learning and industrial units. For instance, the students of Physics Department are sent to the Inter-University Centre for Astronomy and Astrophysics, Pune and the Rocket Launching Station of the VSSC, Thiruvananthapuram on a regular basis. Mr. Sudheesh P. Thankappan, of I M.Sc Physics got selection for the Summer Research Fellowship Programme of Indian Academy of Science for two months during April-May 2015 with a monthly fellowship of Rs. 8000/-. Ms. Susmitha John III B.Sc Physics had the opportunity of participating in the Pulsar Observatory for students (POS) from 13 July to 17 July, 2014, at Radio Astronomy Centre, NCRA-TIFR, Ooty. The students of Commerce department are sent to reputed business establishments for industrial visits.

The college has evolved an innovative practice of preparing manuscript magazines on a department basis. The students, with the assistance of teachers, prepare department magazines containing news, views, photographs and creative writings of students. The best three magazines are given cash awards. The editor of the best magazine is given the responsibility of editing the college magazine of the year. This practice is appreciated well by the teachers and students as it fosters the



creative talents of students. The college has evolved a practice of honouring the best outgoing student from the college every year. Also, in connection with the golden jubilee celebrations of the college, the practice has been extended to all outgoing batches of the college. This practice serves as an incentive for other students to pursue excellence. There is also a practice of honouring the best library users from each batch with special awards.

#### **5.1.5 Promotion of entrepreneurship skills**

An Entrepreneurship Development Club is functioning in the college which promotes the entrepreneurial skills of students. Under the auspices of this club, a 'food fest' is conducted every year. The purpose of the 'food fest' is to inject the spirit of entrepreneurship among students. The students set up food stalls on their own, prepare food items and sell it out at reasonable rates. Such ventures used to make upto Rs.3000, as profit. This exercise gives the much needed confidence to the students in starting new business ventures.

#### **5.1.6 Institutional strategies for the promotion of participation in extracurricular activities**

The college gives much importance to the participation of students in the co-curricular and extra curricular activities of the campus. To attract maximum number of students to the field of arts and sports competitions, cash awards are being distributed to the first three prize winners in each item. Further, these competitions are held on a department basis, so that the teachers and students are keen to catch the prizes for their respective departments. The department which scores the highest points in arts and sports festivals will be given ever rolling trophies separately. The departments which secure second and third positions are also given prizes. In this way, maximum number of participation is ensured in arts and sports competitions.

The NCC and NSS units of the college have made significant contributions in the field of extracurricular activities. The NCC cadet Sri. Anson V.J. took part in the Republic Day parade in New Delhi, in 2014. Similarly, another NCC cadet Sri. Anilkumar O.K. has won the Chief Minister's award for the best cadet in 2014. Sri. Jubin James, an NSS volunteer was selected as the best NSS volunteer of M.G. University in 2013.

Incentives are given to the students who participate in the inter-collegiate competitions, particularly in quiz, elocution and debate. Those who gain prizes in University youth festivals and sports tournaments are given grace marks in the University examinations. The students who take part in the inter-collegiate competitions are given attendance also. The sports persons are given uniform also while they are on play.

#### 5.1.7 Support Services to Competitive Examinations

To enhance the employability of the students, attention is given to provide coaching classes to the students in preparing for the UGC-NET and other examinations. The UGC sponsored NET coaching classes are regularly held for the benefit of P.G students. A list of students who appeared for and won the UGC-NET/CSIR-NET is given below.

Test	2010		2011		2012		2013		2014	
	Appeared	Won	Appeared	Won	Appeared	Won	Appeared	Won	Appeared	Won
UGC-NET	28	5	15	7	12	4	15	4	10	1
CSIR-NET	12	4	20	7	16	6	10	2	12	

Some other students have also got into the defence and central /state services.

#### Counselling services

The students are given sufficient counselling services to support them in academic, personal, career and psycho-social matters. The

academic support is given through the tutorial system. Each batch of students is entrusted to one or two teachers who look after their wards. The mentor system also is followed. A student is allotted to a particular teacher whom the student considers as a model in all respects. The govt. sponsored Walk with the Scholar (WWS) is started in 2014-2015.

A counselling centre is also functioning in the campus to iron out the stresses and strains of the students. A qualified counsellor spends his time in the campus on all Fridays from 10.00 a.m. to 4.00 p.m. The students visit him in his office and share his/her problems with the counsellor and seek redress.

#### 5.1.8 Career guidance and placement

The college has an excellent career guidance and placement cell to advise the students on various employment opportunities and arrange campus recruitments for them. It conducts various career guidance seminars for the benefit of students. It also conducts coaching classes for various competitive examinations like bank tests. It gives training on how to appear for interviews and to conduct group discussions. The success of the career guidance and placement cell is testified by the number of campus placements made over the last four years.

Year	Employer	No. of students selected	Rank (position)
2010-2011	South Indian Bank	07	Clerks
	Federal Bank	07	Clerks
2011-2012	HDFC Life Insurance	18	Sales Officers
	Eureka Forbes	19	Marketing Executives
2012-2013	South Indian Bank	16	Clerks
2013-2014	South Indian Bank	23	Clerks
	Federal Bank	13	Clerks

### **5.1.9 Grievance redress mechanism**

The college does have a grievance Redress mechanism to sort out the complaints of the students. The Grievance Redress Cell consists of the Principal (Chairman), Staff Advisor, co-ordinator of the Internal Assessment, a member of the College Council nominated by the Principal and a student representative nominated by the Principal. A number of grievances received by the cell has been amicably settled. For instance, the demand for a common rest room for ladies, water coolers, garden benches in different parts of the campus, extension of the library timing have been conceded.

### **5.1.10 Prevention against sexual harassment**

An Ethics Committee functions in the college to address the issues related to sexual harassment, use of mobile phones etc. The committee consists of the Principal (Chairman), PTA Vice President, Staff Advisor, Bursar, NSS Officer, NCC Officer, Local Govt. representative, lady staff member and student representative. Though the committee handled cases pertaining to the use of mobile phones, it had not received any complaint related to sexual harassment.

### **5.1.11 Anti-ragging measures**

There is an anti-ragging squad and committee in the college to address the issues related to ragging. The extracts of the Kerala Ragging Prohibition Act- 1998 have been published in the college handbook. The college did receive a complaint on ragging in March 2012. An enquiry had been put in place and on the basis of its findings, three students who were identified as culprits were expelled from the college. To effectively curb the evil practice of ragging, CCTV has been installed in all important places.

#### 5.1.12 Welfare schemes

The college has instituted 25 endowments to award scholarships to students on the basis of merit cum means. In addition, the college makes available all scholarships and grants offered by the govt. to the students. A faculty member has been appointed as nodal officer for scholarships. At the college level, it has instituted a Students Welfare Fund to financially help those students who undergo prolonged medical treatment. This scheme was initiated in 2004 on the occasion of celebrating the Ruby jubilee of the college. A good number of students have benefited from this scheme.

Another novel scheme implemented by the college is a mid-day meal scheme called '*Sneha Sparsam*'. The teachers identify poor students who cannot afford to have mid day meal and give them a lunch coupon. The student takes this coupon to the college canteen and takes lunch free of cost. The coupons will be reimbursed to the canteen, later. This scheme also has been proved very useful to the students. Efforts have been made to see that all students do have zero balance account in the South Indian Bank branch functioning in the campus.

#### 5.1.13 Alumni association

The college has an Alumni Association by name Newman Old Students Association (NOSA). It regularly conducts 'mega alumni meets' in every December. On an average 1500-2000 old students used to assemble and share their nostalgic moments with the institution. It conducts inter-collegiate elocution and quiz competitions every year. It also has instituted a prestigious award under the title **Newman Youth Excellence Award** to the most brilliant and smart degree student selected from among the aided Arts and Science Colleges in Kerala. The co-operation of NOSA is of great help in the administration of the college.

## 5.2 Student Progression

### 5.2.1 Trends in student progression

The progress of students is a concern for the college administration. It tries to see that every enrolled student clears the final examination and proceeds towards higher degrees. The following table gives a picture about the progress of students in the institution.

Student progression		%
UG to PG		45%
PG to M.Phil.		5%
PG to Ph.D.		2%
Employed	Campus selection	15%
	Other than campus recruitment	40%

### 5.2.2 Result analysis

An attempt is made here to enumerate the results of each programme over the last four years. The college has reasonably good pass percentage in all programmes. The programme wise pass percentage over the last four years is given below.

#### Results of the Academic Programmes

Programme	Year	No. of Students appeared	No. of students passed	% of pass	'A' grade	'B' grade	'C' grade	Remarks
B.Sc. Maths	2010	35	33	94.28	16	11	6	II Rank
	2011	41	38	92.68	22	12	4	I Rank
	2012	43	43	100	7	29	7	
	2013	44	43	97.72	7	29	7	
	2014	33	32	96.9	8	23	1	
B.Sc. Physics	2010	27	21	77.77	14	4	3	
	2011	25	19	76	7	11	1	
	2012	25	25	100	5	16	3	
	2013	25	25	100	5	17	3	
	2014	29	26	89.6	4	16	6	

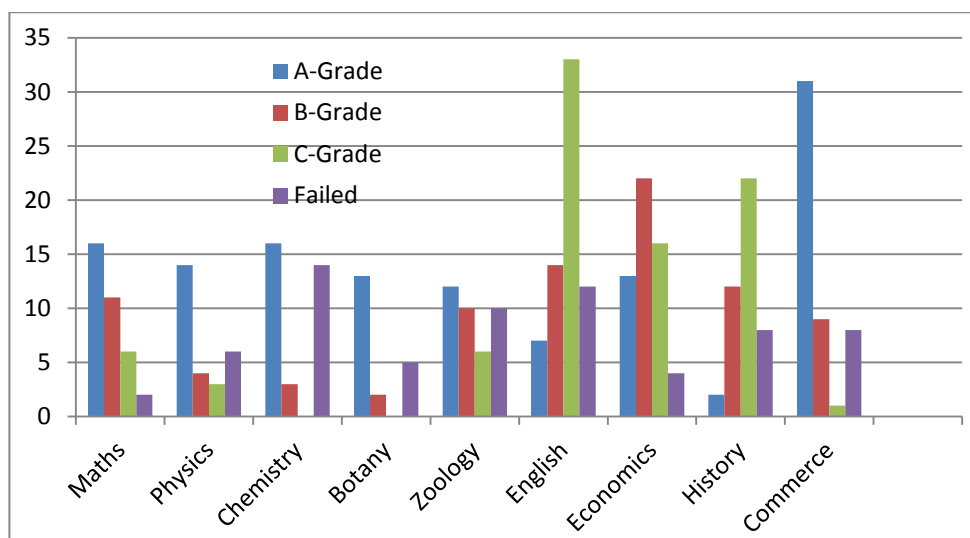
B.Sc. Chemistry	2010	33	19	57.57	16	3		
	2011	24	17	70.83	10	7		
	2012	36	30	83.33	2	22	6	
	2013	35	30	85.71	2	22	6	
	2014	37	35	94.5	3	22	10	
B.Sc. Botany	2010	20	15	75	13	2		
	2011	21	20	95.23	14	1	5	III Rank
	2012	19	17	89.47	2	6	9	
	2013	19	17	89.47	2	6	9	I & II Ranks
	2014	20	16	80	2	6	8	
B.Sc. Zoology	2010	38	28	73.68	12	10	6	
	2011	30	30	78.94	5	15	10	
	2012	32	23	71.87		7	16	
	2013	31	23	74.19		7	16	
	2014	38	31	81.5	2	19	10	
B.A. English	2010	64	54	84.38	12	19	22	
	2011	66	54	81.81	7	14	33	
	2012	54	45	83.33	5	22	18	
	2013	54	45	83.33	6	23	16	
	2014	56	53	94.6	3	24	26	
B.A. Economics	2010	55	51	92.73	13	22	16	
	2011	60	41	68.3	5	10	26	
	2012	48	46	95.83		20	31	
	2013	48	44	91.66		20	24	
	2014	55	48	87.2		17	32	
B.A. History	2010	55	47	85.45	2	12	22	
	2011	48	35	72.91	3	10	28	
	2012	50	41	82		13	18	
	2013	50	42	84		12	30	
	2014	48	37	77		19	7	
B.Com	2010	55	47	85.45	31	9	1	
	2011	53	41	77.30	27	13	10	
	2012	60	57	95	6	41	14	
	2013	60	57	95	6	41	10	
	2014	68	66	97.0	1	51		
MSc. Maths	2010	14	13	92.86	12	1		II Rank
	2011	17	16	94	10			
	2012	15	12	80	12			I & III Ranks
	2013	18	14	77.77	14			
	2014	16	14	87.5	5	9		

M.Sc. Physics	2010	11	4	36.37	4			
	2011	12	7	59	5			
	2012	12	12	100	12			
	2013	15	8	53.33	8			
	2014	12	11	91.66	1	10		
M.Sc Chemistry	2010	10	10	100	10			
	2011	12	11	92	7			
	2012	15	12	80	12			
	2013	15	12	80	12			
	2014	12	11	91.66		11		
M.A. English	2010	16	12	75	12			
	2011	17	13	77	7		6	
	2012	18	11	61	10	1		III & IV Ranks
	2013	16	11	68.75	6	5		
	2014	18	13	72.22		13		
M.Com	2010	18	18	100	18			
	2011	14	14	100	14			
	2012	18	18	100	18			
	2013	19	15	78.94	15			
	2014	19	18	94.73	1	17		

\*In the years 2012 and 2013, the grades A+ and A, B+ and B, C+ and C are clubbed into grades A, B and C respectively.

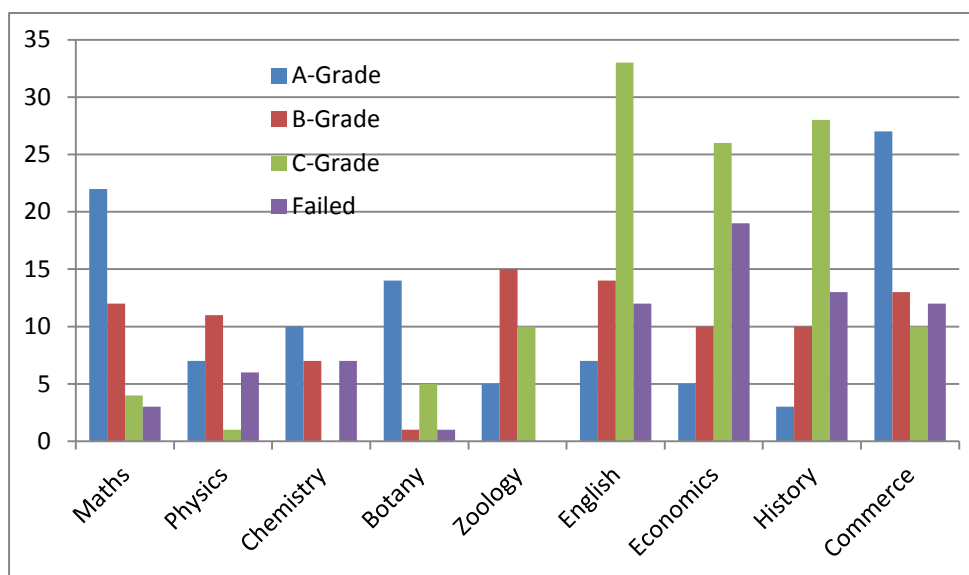
\* In the years 2010 and 2011, the class divisions, I, II and III are converted into A, B, and C grades respectively.

A graphical representation of the results over the years is given below.

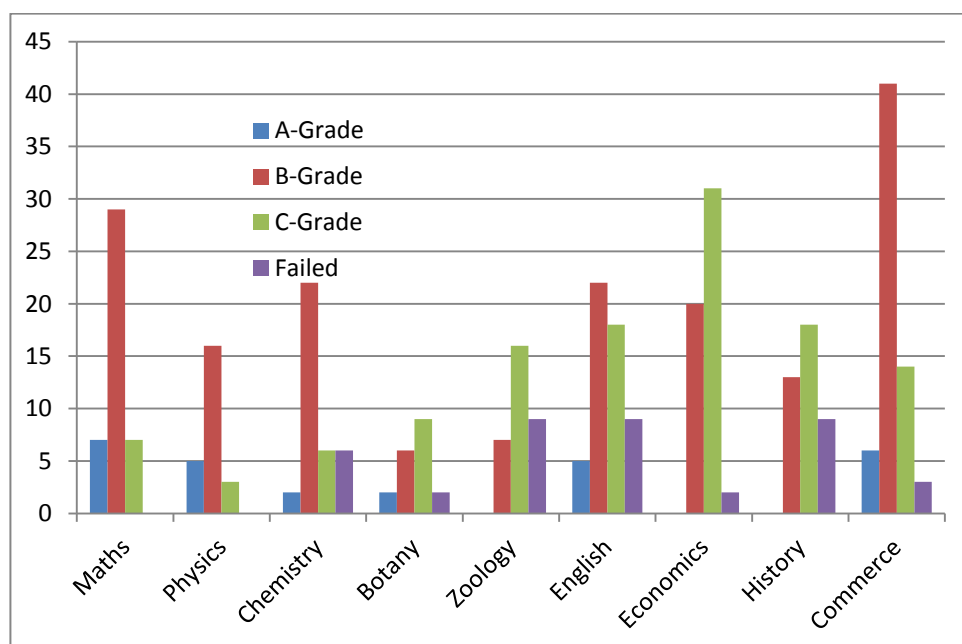


### U.G. RESULTS OF THE YEAR 2010

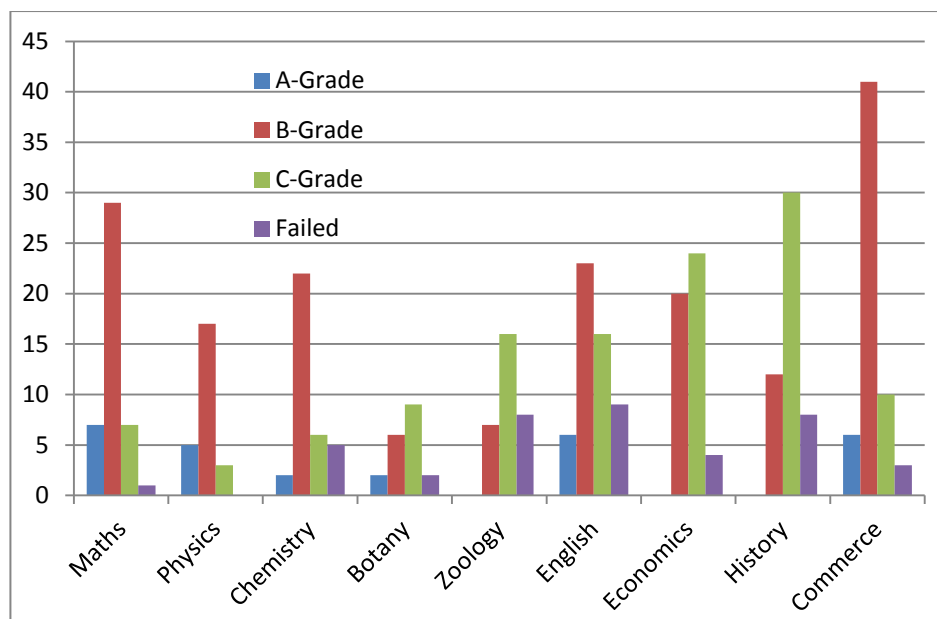




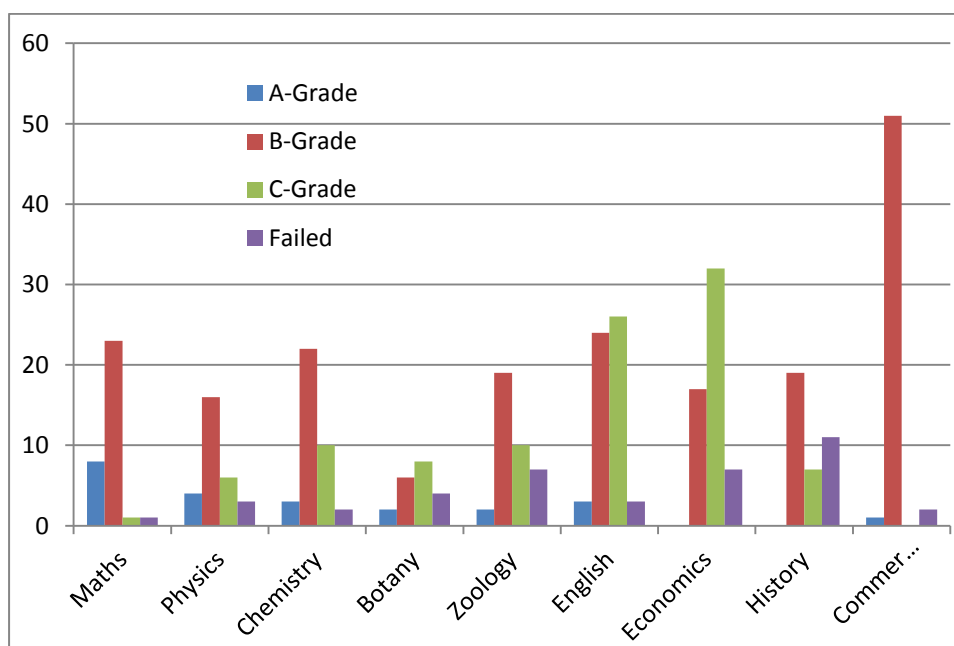
U.G. RESULTS OF THE YEAR 2011



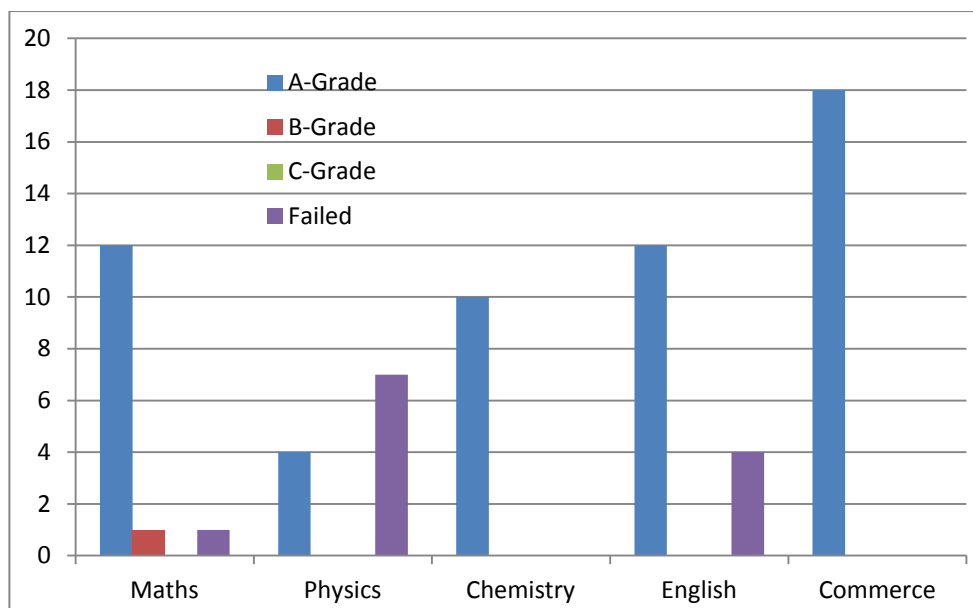
U.G. RESULTS OF THE YEAR 2012



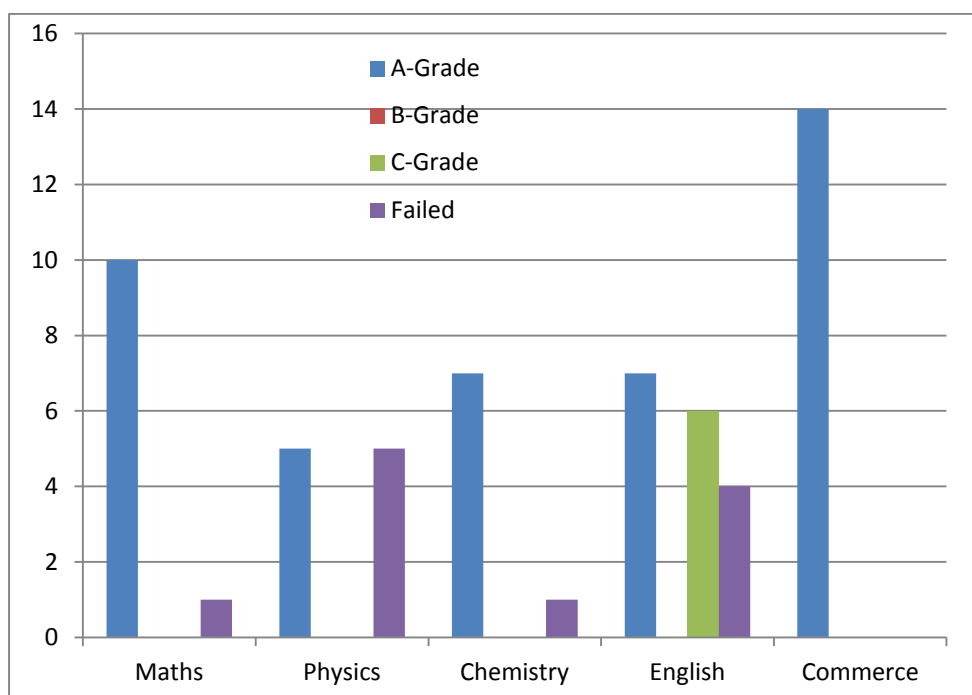
U.G. RESULTS OF THE YEAR 2013



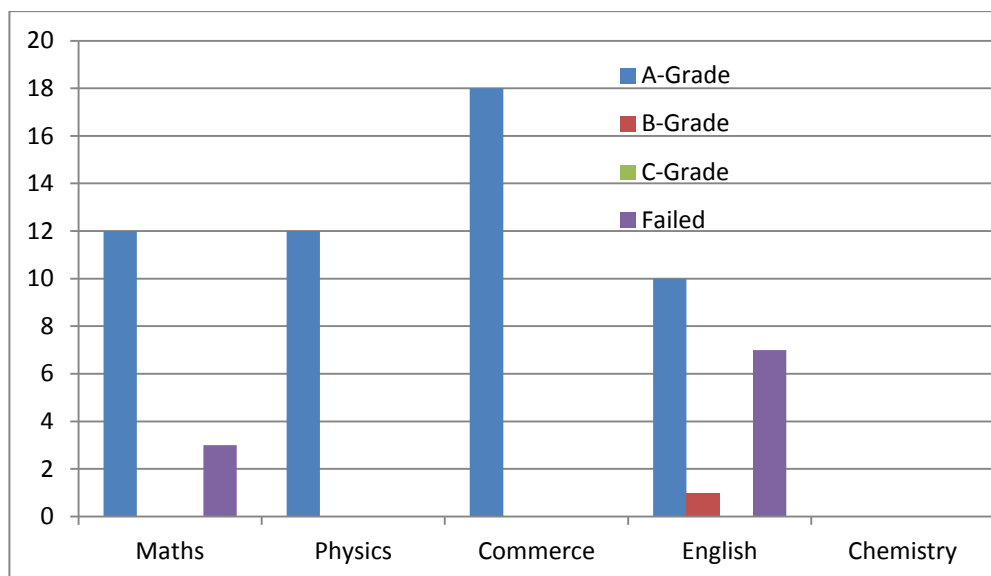
U.G. RESULTS OF THE YEAR 2014



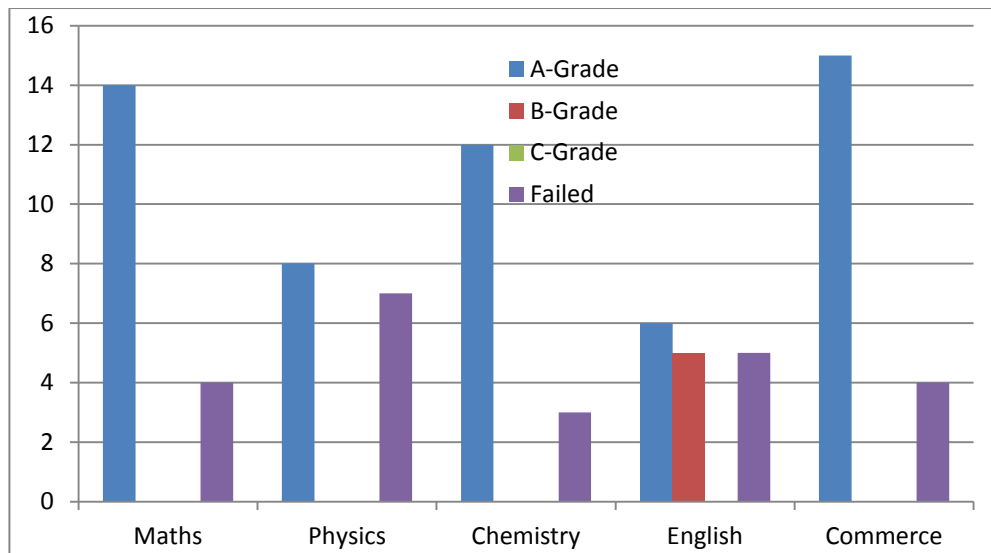
**P.G. RESULTS OF THE YEAR 2010**



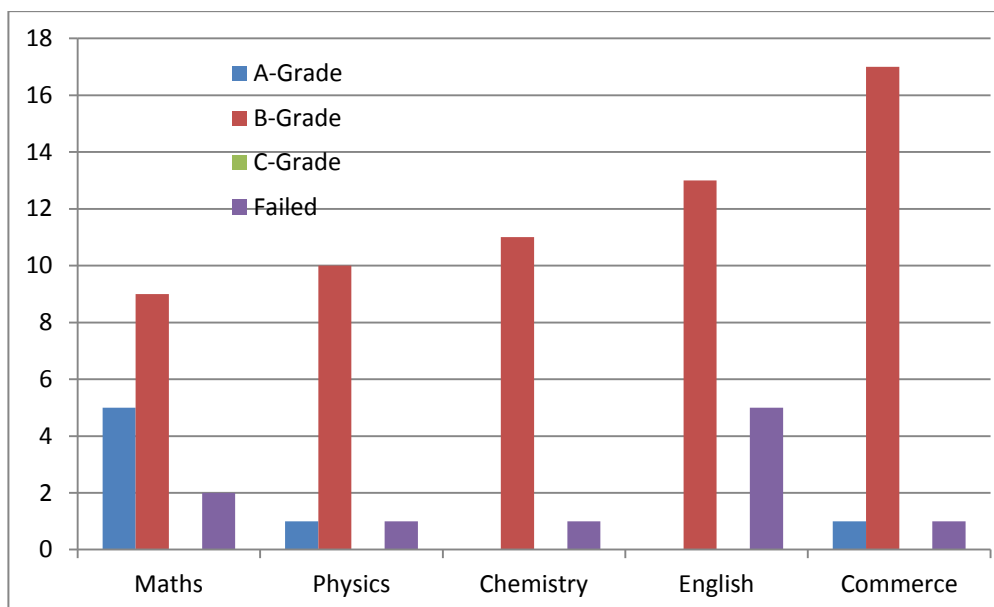
**P.G. RESULTS OF THE YEAR 2011**



**P.G. RESULTS OF THE YEAR 2012**



**P.G. RESULTS OF THE YEAR 2013**



**P.G. RESULTS OF THE YEAR 2014**

### 5.2.3 Follow up Services to Students

The college takes care to hold periodical test papers to ensure the progress of studies. The progress in studies and conduct and character are assessed by the teachers in the presence of parents and students. They suggest corrective measures, if needed. The slow learners are given remedial coaching. Similarly, the career guidance and placement cell conducts coaching classes and helps students to find jobs.

### 5.2.4 Remedial teaching

Apart from the remedial teaching, the students who are at the risk of failure are directed towards the counselling cell to sort out their problems. As a result of all these preventive steps and special support, the student progression in the institution is good enough. The state govt. sponsored scholar support project also gives the necessary academic support to the weak students. In addition, vital life skills like driving,

cooking and stitching are also imparted to the students under the auspices of Centre for Women Empowerment.

### 5.3 Student Participation and Activities

#### 5.3.1 Extent of extra curricular activities available

The students actively participate in co-curricular and extra-curricular activities of the campus. The students have access to Arts club, Sports club, Debating Club, Quiz club and many other activities in the campus. The clubs conduct programmes at least once in a month. Competitions are also held occasionally. Students are sent to various inter-collegiate competitions across the state. The winners are congratulated and appreciated in public. The two day long Arts Fest and one day long Sports Fest are held annually. The winners in arts and sports competitions are given cash awards.

#### Number of participation of College teams in district/ university level sports competitions

Games	2010	2011	2012	2013	2014
Volleyball	2	4	4	4	4
Football	3	3	3	3	4
Cricket	2	2	2	2	2
Basketball	2	2	3	3	3
Chess	2	2	2	3	3
Shuttle badminton	2	2	2	3	3
Weightlifting	2	2	2	2	2
Powerlifting	2	2	2	2	2
Wrestling	2	2	2	2	2
Shooting	2	2	2	2	2
Cycling	3	2	2	2	2
Kho-kho			1	1	2

#### 5.3.2 Student achievements in extracurricular activities

The students often bring laurels to the college through their participation in Arts/ Sports/ Cultural events. In the University Youth festival held in 2012, Kum. Devika Ramesh of III B.Sc. Mathematics got first prize in Kathaprasangam event. In the very next year, Kum.

Geethu Vijayan got III place in Kathaprasangam. She won 'A' grade in classical music also. In the same year (2013-2014), Sri. Basil Benny got III prize in Mimicry. In 2014-2015 also he got 'A Grade' in Mimicry. In 2009-2010, our college teams won III places in Thiruvathira and Skit competitions.

Our sports persons have brought credit to the college through their achievements in sports. In 2009-2010, our teams won first place in both weight lifting and power lifting. The Weightlifting team secured first place in 2013-2014. In the same year, the power lifting team became runners up in the University level competition. In 2014-2015, our sports persons won M.G. University championship in both Weightlifting and Powerlifting. Our football team took third place in the M.G. University north zone tournament in 2014-2015 and qualified for the University level tournament.

### Students achievements in Sports

#### Year 2010-2011

No.	Name	Event	Level of Participation	Position
1.	James Joy	Weight lifting	University	I
2.	Philip Shaji	Badminton	Inter University	
3.	Jayadeep O.V	Badminton	Inter University	University I
4.	Rijo Varghese	Powerlifting	Inter university	University I
5.	Muhammed Aslam	Powerlifting	M.G University	University I
6.	Vinitha Vinod (F)	Powerlifting	M.G. University	I
7.	Arya S. Nair (F)	Powerlifting	M.G. University	III
8.	Arun Kumar	Weight Lifting	M.G University	III
9.	Vishnu A.P	Weight lifting	M.G. University	II
10.	Sarath K.A	Weight lifting	M.G. University	II
11.	Sarath K.A	Powerlifting	M.G. University	III
12.	Nethumol K.G (F)	Powerlifting	M.G. University	I
13.	Rijo Varghese	Weight lifting	M.G. University	I
14.	Neetumol K.G (F)	Weightlifting	M.G. University	II
15.	Vinitha Vinod (F)	Weight lifting	M.G. University	III
16.	James Joy	Powerlifting	M.G. University	III

## Year 2011-2012

No.	Name	Event	Level of Participation	Position
1.	Abdul Jalal	Cricket	University/ Interuniversity	
2.	Philip Shaji	Shuttle badminton	Inter university	
3.	Akhil S. Nair	Weight lifting	M.G. University	II
4.	Nazeeb K.N	Weight lifting	M.G. University	I
5.	Bibin Mathew M	Weight lifting	M.G. University	II
6.	Manu Mohan	Powerlifting	M.G. University	III
7.	Nazeeb K.N	Best Physique	M.G. University	III
8.	Manu Mohan	Best Physique	M.G. University	III

## Year 2012-2013

No.	Name	Event	Level of Participation	Position
1.	Abhi S. Govind	Badminton	State	III
2.	Sethu T.M.	Shooting	M.G. University	I
3.	Sanal Kumar	Badminton	M.G. University	III
4.	Rose Maria Jose	Thaikondo	Inter University	I
5.	Elizabeth Maria	Thaikondo	M.G. University	III
6.	Ansia Basheer	Thaikondo	M.G. University	III
7.	Jerin John	Weight lifting	M.G. University	III
8.	Arya S. Nair	Thaikondo	M.G. University	III
9.	Nazeeb K.N	Weight lifting	M.G. University	I
10.	Philip Shaji	Badminton	Interuniversity	III
11.	Manu Mohan	Powerlifting	M.G. University	II
12.	Arun K. Jose	Weight lifting	M.G. University	III
13.	Sujith Thomas	Weight lifting	M.G. University	I
14.	Harish Mahadevan	Weight lifting	M.G. University	II
15.	Manu Mohan	Weight lifting	M.G. University	I
16.	Riswan V.K	Weight lifting	M.G. University	I
17.	Arun Soman	Badminton	M.G. University	III
18.	Suith Thomas	Badminton	M.G. University	III
19.	Jojo Joseph	Weightlifting	M.G. University	II

## Year 2013-2014

No.	Name	Event	Level of Participation	Position
1.	Vishnu M.R.	Thaikondo	M.G. University	III
2.	Rose Maria Jose	Thaikondo	Inter University	I
3.	Dickson Baby	Thaikondo	M.G. University	I
4.	Anju K. Thomas	Wrestling	M.G. University	III
5.	Geo George	Wrestling	M.G. University	III
6.	Abhi S. Govind	Badminton	M.G. University	III



7.	Sanakumar M.M	Badminton	M.G. University	III
8.	Jacob Sojan	Badminton	M.G. University	III
9.	Jairaj Jayan	Badminton	M.G. University	III
10.	Anandu Anand	Badminton	M.G. University	III
11.	Arun Soman	Badminton	M.G. University	III
12.	Hareesh Madhavan	Powerlifting	M.G. University	III
13.	Manu Mohan	Powerlifting	M.G. University	III
14.	Riswan V.K	Powerlifting	M.G. University	II
15.	Naveen Vijayan	Powerlifting	M.G. University	I
16.	Jojo Joseph	Weight lifting	M.G. University	II
17.	Naveen Vijayan	Weight lifting	M.G. University	I
18.	Sanal Vinod	Weight lifting	M.G. University	II
19.	Riswan V.K	Weight lifting	M.G. University	I
20.	Manu Mohan	Weight lifting	M.G. University	II
21.	Harish Madhavan	Weight lifting	M.G. University	II
22.	Ebilet J Chemparathy	Weight lifting	M.G. University	II
23.	Jinu James	Weight lifting	M.G. University	I
24.	Sethu T.M	Shooting	State	State Gold

### Year 2014-2015

No.	Name	Event	Level of Participation	Position
1.	Sethu T.M	Shooting	State	State I
2.	Milan James	Shooting	State	State I
3.	Ananthakrishnan D.	Best Physique	University & State	University II & State II
4.	Abin George	Volleyball	Youth state	
5.	Aslam V.J	Volleyball	Youth state	
6.	Abin Thankachan	Volleyball	Junior State	
7.	Abhiraj A.R	Archery	National	Gold
8.	Arun Soman	Mountain Cycling	State	
9.	Deepu K.D	Cycle Polo	State	
10.	George Joshy	Cycle Polo	State	
11.	Rose Maria	Thaikondo	State	
12.	Arun George	Thaikondo	State	
13.	Arun Soman	Shuttle Badminton	M.G. University	
14.	Jacob Sojan	Shuttle Badminton	M.G. University	
15.	Navas V.J	Football	State	
16.	Afsal P.A	Football	State	
17.	Muhammed Nazar	Football	State	
18.	Riswan V.K	Weight Lifting & Powerlifting	MG University & State	I & II

19.	Jinu James	Weight Lifting & Powerlifting	MG University & State	I
20.	Naveen Vijayan	Weight Lifting & Powerlifting	MG University & State	I & II
21.	Hareesh Madhavan	Weight Lifting & Powerlifting	MG University & State	II
22.	Bibin Joy	Weight Lifting & Powerlifting	MG University & State	II & I
23.	Jojo Joseph	Weight Lifting & Powerlifting	MG University & State	I
24.	Ebilet J Chemparathy	Weight Lifting & Powerlifting	MG University & State	II
25.	Jithinraj K	Weight Lifting & Powerlifting	MG University & State	II
26.	Anju K. Thomas (F)	Weight Lifting & Powerlifting	MG University & State	III
27.	Silpamol Johny (F)	Weight Lifting & Powerlifting	MG University & State	III

In the cultural field, the short film titled 'First Time' directed by Sri. John Samuel a III B.A. English student and enacted by his classmates won II prize in the Malayala Manorama 'Yuva' short film contest in 2013. The NSS unit also won the best short film award instituted for the propagation of blood donation by the District Medical Office. The NSS unit was awarded the certificate of merit as it was placed in the five best units in the M.G. University in 2012-2013. Sri. Anson V.J. of II B.A. History took part in the National Republic Day Parade held in New Delhi on 26 January 2014.

Various clubs are also functioning in the College. The Debate Club, Quiz Club, Nature Club, Anti-Narcotic Club, Folklore Club, Farm Club, Road Safety Club, Spoken English Club, Film and Dramatic Club give necessary training in their thrust areas.

The notable activity is that of the Farm Club which gives training to the students in organic farming. The Club maintains an organic farm of the campus in which vegetables are produced and distributed to the students at reasonable price.

### Achievements of Debate Club

<b>Teen Maria George: (II BA Eng).</b>	
1.	I Prize:-All Kerala Inter-collegiate English Elocution Competition conducted at Assumption College Changanassery in 2014
2.	II Runner Up – Inter-collegiate Best Personality Contest- conducted at S.B. College in 2015
<b>Kiran Shaji</b>	
3.	I Prize (I B.Com Self) -All Kerala Inter-collegiate Malayalam Elocution Competition held at St. Thomas College of Teacher Education, Mylacombu in 2015.
4.	I Prize-Idukki Region Chavara Elocution Competition held at St. Joseph's College, Moolamattam in 2014.
5.	I Prize- Jubilee Memorial Inter-collegiate Elocution Competition held at Vazhithala Grama Pachayath in 2014
<b>Jubin James -(III BA English) and Roni Scaria(II BA Economics)</b>	
6.	II Prize-All Kerala Inter-collegiate Debate Competition held at St. Aloysius College Edatua in 2014.
7.	I Prize, All Kerala Inter-collegiate Debate Competition held at St. Stephen's College, Uzhavoor, 2014.
8.	II Prize- All Kerala Inter-collegiate Debate Competition held at St. Xavier's College, Kalamassery, 2014.
9.	II Prize , All Kerala Inter-collegiate Debate Competition held at Baselious College, Kottayam, 2013.
<b>Jubin James</b>	
10.	(III BA English) Best Debator- All Kerala Inter-collegiate Debate Competition held at Nirmala College, Muvattupuzha, 2014.
<b>Ann Mary Andrews and Krishnadeth K. S.</b>	
11.	III Prize- All Kerala Inter-collegiate Debate Competition held at Alphonsa College, Pala in 2013
<b>Annmary Andrews (II BA English)</b>	
12.	II Prize –Idukki Region Chavara Elocution Competition held at St. Joseph's College, Moolamattam in 2013
13.	II Prize in All Kerala Chavara Elocution Competition held at St. Thomas Mount, Kakkanad in 2013.
<b>Ankitha Joshy</b>	
14.	I Prize- Inter University Elocution Competition- held at Chavara Cultural Centre on 18 Jan 2010.
15.	I Prize- District Karshika Mela Oratory Competitions-held at Newman College Thodupuzha on 26 Jan 2010.
16.	I Prize- All India Co-operative Week Celebration held at Thodupuzha on 14 November 2011.
17.	II Prize- R. K. Narayan Memorial Inter-collegiate Elocution Competition held at St. Stephen's College, Uzhavoor on 12 November 2011.
18.	II Prize – District Karshika Mela Elocution Competition held at Newman College on 1 January 2012.

19. II Prize –Rev. Fr. Joseph Puthenkulam Memorial Inter-collegiate Elocution Competition held at St. Thomas College of Teacher Education, Mylacombu on 6 September 2010.
20. III Prize- St. Mary Xavier Memorial Inter-collegiate Speech Competition at Amalagiri on 6 January 2012.
21. III Prize- District Karshika Mela Essay Competition held at Thodupuzha on 01 January 2012.
22. III Prize- Inter University Elocution Competition organised by Chavara Cultural Centre on 12 January 2011.
23. III Prize-Sri C.M Stephen Memorial Inter-collegiate Elocution Competition held at St. Joseph’s College, Alappuzha.
<b>Jolsana George and Br. Noble Mathew</b>
24. I A Grade in Elocution (Girls)- CSM Regional Kalotsav held at S.B College, Changanassery in 2009.
25. Noble Mathew I A Grade in Elocution (Boys)- CSM Regional Kalotsav held at S.B College, Changanassery in 2009

### 5.3.3 Feedback based quality improvement

The college has a healthy practice of collecting feedback from the outgoing students on the performance of our teachers and the quality of educational services provided by the institution. It also seeks feedback and opinions from the agencies who undertake campus recruitments in our institution. South Indian Bank and Federal Bank are the two agencies who regularly undertake campus recruitments. The Tata Consultancy Service (TCS) has done campus recruitment in 2015. Their comments and opinions are used for improving the quality of services provided in the institution.

### 5.3.4 Student publications

The college has a reasonably good publishing culture. Three academic journals are being published from the campus regularly. In addition, it publishes an annual Newsletter “Newman News” highlighting the news and achievements of the institution. The college union publishes the college magazine every year, focussing on the creative talents of the students. Further, the college conducts an inter-departmental magazine competition, every year. Each department

publishes a magazine of its own containing the reports of the activities of the departments and also creative writings of its students. The best three magazines are awarded Rs.5000/-, Rs.3000/- and Rs.2000/- each. In addition, all departments are given consolation prizes of Rs.500/- each. The student editor of the best magazine is given the responsibility of editing the college magazine. The creative writings in the departmental magazines are selected for inclusion in the college magazine. This practice is appreciated well by the teachers and students on the campus and has been continuing for seven years.

In addition, the various clubs of the institution also used to publish magazines of their own. For instance, the Centre for Women Empowerment is publishing an annual manuscript magazine titled “Manaswini” for the last four years. The National Service Scheme (NSS) and the National Cadet Corps (NCC) also publish their own magazines. The Catholic Students Movement (CSM) brings out its own newsletter. The Department of Commerce brings out an electronic wall paper titled “Newman Business Times”, every month. The department of English has a wallpaper named “Expressions” that regularly showcase the literary and creative talents of the students. These practices are really helpful in strengthening the writing skills of the students.

A list of publications brought out from the campus during the last four years is given below.

Item	Published by	No. of issues in years				
		2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Journals	IJPCL (Dept. of English)	02	02	02	02	02
	New Man and Society (College)		02	02	02	01
	Trade Wind (Commerce)	01	01	01	01	01
Newsletter	College	01	01		01	01

College Magazine	Students Union	01	01	01	01	01
Dept. Magazines	English	01	01	01	01	01
	History	01	01	01	01	01
	Economics	01	01	01	01	
	Maths	01	01	01	01	01
	Physics	01		01	01	01
	Chemistry	01	01	01	01	01
	Botany	01	01	01	01	
	Zoology	01	01	01	01	01
	Commerce	01	01	01		01
Manaswini	Centre for Women Empowerment	01	01	01	01	
Others	NCC			01	01	01
	NSS			01	01	01

### 5.3.5 Student council

To promote the student activities on the campus, there is a college union consisting of elected representatives from among the students. The union members are elected from among and by the class representatives who are chosen directly by the students in each class. The union consists of a Chair Person, Vice Chair Person, General Secretary, two University Union Councillors, Arts Club Secretary and Student Editor. The role of the college union is to organise various extra-curricular activities on the campus. They organise the arts fest, the sports fest, the food fest, Onam and Christmas celebrations and many other activities on the campus. The activities of the Union are funded by the state government. The Staff Advisor, appointed by the Principal, is in charge of all student related activities. All important decisions are taken by the general body meeting of all class representatives convened from time to time.

### 5.3.6 Student representation in decision making bodies

As an institution affiliated to Mahatma Gandhi University, the college is guided by the statutes and ordinances of the University. The University rules do not permit the inclusion of the student

representatives in the academic or administrative bodies of the college. However, there is a provision for including student representative in the Internal Quality Assurance Cell (IQAC) which is practiced in the college.

#### **5.3.7 Networking with alumni and former faculty**

The college is merited with a lot of former students who have made significant contributions to the society. A few of them are: Sri. S. Balachandran (former Rear Admiral, Indian Navy), Sri. S. Gopinath (former Inspector General of Police, Kerala), Sri. Joyce George M.P., Sri. P.T. Thomas (former M.P), Sri. Sunny Joseph MLA, Sri. Jeevan Babu K. IAS etc. The college has a vibrant alumni association and former faculty forum. Their meetings are frequently held. With the collaboration and funding of the alumni association, the college organises all Kerala inter-collegiate elocution competitions in Malayalam and English and Quiz on a regular basis. The association also gives “Newman Youth Excellence Award” for the most intelligent and smart student among the aided arts and science colleges in Kerala. The advice and suggestions from the former teachers are also sought for improving the performance of the institution.





## CRITERION VI

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 Institutional Vision and Leadership

##### 6.1.1 Mission and Vision

Newman College is a minority Christian institution founded to cater to the needs of the Catholic community without any discrimination against other social segments. The college has identified three key areas as its mission such as **academic excellence, spiritual vitality and social concern**. The college seeks to serve certain important social ideals. These include the inculcation of spiritual and moral values in students and imparting training in socially productive sectors intended to mould them as socially responsible citizens. The values which guide us at Newman College are: **Trust in God, Integrity of Character, Social Commitment and Pursuit of Excellence**. The integral development of an individual is attained through academic excellence, professional competence, personal, inter personal and societal skills. The college is committed to its mission and vision in all its endeavours.

The activities carried out in the college are directed towards achieving these goals and objectives. The teachers are recruited on the basis of merit and they are motivated to undertake research projects and extension activities of their own liking. The students are given better academic inputs and training in extra-curricular activities. Secular values are tried to be imparted to the students through all services provided by the institution. The ultimate aim of the college is to transform the students into socially useful citizens.

### 6.1.2 Institutional leadership in fulfilling mission and vision

The responsibility to see that the institution is meeting its goals and objectives is vested with the Manager and the Principal. The Manager visits the college from time to time and gives directions to the Principal and faculty on what the institution wants to achieve. The Principal used to instruct the Heads of departments on timely arrangements to be done. Council meetings and staff meetings are frequently convened to take stock of the situation and decide on quality parameters. The IQAC also takes policy decisions on improving the quality of services delivered.

**6.1.3** The leadership of the institution has got a definite role in giving a proper sense of direction to the activities of the institution. The governing body is the apex body with regard to the matters of policy making. The governing body meets at least once in a year. There is an executive council within the general body which meets four –five times in a year to discuss matters of urgency. The directives of the governing body are implemented by the staff council which consists of all Heads of Departments and two elected representatives. The decisions of the staff council are communicated to the staff meeting. The teachers are to execute the decisions at the grass root level.

At each level of programme planning, necessary consultations are done with the stakeholders like alumni, parents, former teachers, industrialists and students. Through these consultations, a need analysis is done and such inputs are taken to the staff council, staff meetings, college union meetings for deliberations and taking appropriate decisions.

### 6.1.4 Monitoring policy implementation

It is quite natural that some of the policies and practices go obsolete with the passage of time. Therefore, there is a need for properly

evaluating the periodical relevance of the existing policies and programmes. Such an evaluation is done in the appropriate bodies like governing body and staff council and corrective measures and improvements are made.

#### **6.1.5 Academic leadership**

An academic institution can be effectively managed only with the active involvement and co-operation of the teachers. The co-operation of the teachers can be won by entrusting proper responsibilities with them. Therefore, the teachers are given necessary leadership roles.

#### **6.1.6 Grooming leadership at various levels**

For the effective administration of the college, it is ensured that the 'principle of subsidiarity' is followed in the institution. The widely accepted principle implies proper delegation of authority to the grass root level. This principle suggests that what can be done at the lower level be allowed to be done by the functionaries at that level with little intervention from the higher level. By applying this principle, the college effectively grooms proper leadership at various levels.

#### **6.1.7 Decentralization and functional autonomy**

With the practice of principle of subsidiarity, the Manager delegates authority to the Principal; the Principal delegates authority to the Heads of departments and the Heads delegate authority to the teachers. Similarly, functional autonomy is granted to all departments and units in the college.

#### **6.1.8 Culture of participatory management**

When we practice the proper decentralised governance system, a participatory culture is evolved in the institution. At each level and sphere of activity, the teachers and students co-operate each other for the successful implementation of the programme.

## 6.2 Strategy Development and Deployment

### 6.2.1 Perspective plan for development

The college gives top priority to the sustenance and enhancement of quality in its educational endeavours. Such parameters are developed through discussions with various stakeholders. They are implemented and reviewed through the discussions made in the concerned bodies like governing body, staff council, IQAC, planning board and staff meetings.

**6.2.2** The college always aims at developing further. Such development plans are included in the annual report published every year. The perspective plans focus upon infrastructural development, enhancement of quality in teaching-learning process, promotion of research, healthy practices etc.

### 6.2.3 Decision making process

The college has a well established decision making mechanism within itself. The administrative system within the college is headed by the Principal. He is assisted by the staff council consisting of all heads of departments and two elected representatives. The staff council is the decisions making body within the college whose decisions are implemented by the Principal with the help of teaching and non-teaching staff.

### 6.2.4 Quality Improvement Strategies

The college has developed a mechanism to extract best performance from the teaching and non-teaching staff. Periodical meetings are held to review the situations and to boost the self esteem of all concerned. To improve the teaching learning environment within the institution, periodical test papers are held. The learning outcome of each student is shared with the parents in an open house at periodic intervals.

Research and Development is promoted by the college to the maximum extent possible. That is the reason why a large number of

research projects are being carried out in the college. A Research Promotion Council is existing in the college to motivate the teachers to take up research projects with the financial assistance of University Grants Commission. The teachers are increasingly motivated to engage themselves with the community development initiatives. Extension activities like Dry Rubber Content Testing (DRC) Centre, free communicative English classes for X std. students from the Malayalam medium schools in the neighbourhood are noteworthy programmes in this regard. The college also arranges motivation classes for the teaching and non-teaching staff to develop the human resources in the college.

#### **6.2.5 Information flow among stakeholders**

The Principal is the nerve centre of the college administration. He gets lot of feedback and information as all stakeholders get in touch with him very frequently. He brings in such responses and information to the staff council, staff meetings and students' meetings. Such information is vital for reviewing the policies and activities in the college.

#### **6.2.6 Involvement of staff in institutional process**

The effectiveness and efficiency of the institutional processes can be achieved only with the active support and involvement of the staff. To such co-operation, it is necessary that they need to be encouraged and protected in all situations. In this regard, the management has taken a strategy to appreciate the efforts of performing teachers, while the non-performing staff are checked for their lapses. There are instances wherein indifferent and non-co-operative teachers are personally called by the Manager and Principal and asked them to fall in line. This practice has been proved very useful in ensuring organisational discipline and progress.

### 6.2.7 Role of governing body in quality enhancement

The Management Council or the Governing Body plays a crucial role in maintaining quality parameters in the institution. The Executive Council of the governing body used to meet very frequently and takes appropriate decisions. For instance, in the last year (2013-2014), the governing body decided to extend the working time of the staff by one hour. The staffs are now required to spend the time in the college between 9.30 a.m. and 4.30 p.m. They also decided to increase the noon interval from 45 minutes to one hour for the purpose of enabling more student-teacher interactions and extra-curricular activities. It was also decided in the last year that uniform dress code be implemented for the students. All these decisions have been effectively implemented.

### 6.2.8 Attempts for the grant of autonomy

Academic autonomy is an essential ingredient for the development of an educational institution. In Kerala, the practice of granting autonomy to educational institutions started only last year (2013-2014). Newman College, after having fulfilled all mandatory requirements, put up an application for autonomy. The college was short listed for the purpose. The inspection team visited the college. But, we narrowly missed the opportunity. We have put up an application in the current year (2014-2015) also and the process is on.

### 6.2.9 Grievance redress mechanism

When a big institution like Newman College functions, it is natural that there arise complaints and grievances about the services provided in the institution. In this regard, an effective grievance Redress mechanism is evolved in the college. The grievance Redress cell is headed by the Principal and consisting of representatives of teachers and students. The complaints are tried to be resolved to the extent possible. In addition, there is a complaint/suggestion box placed in a prime position. The

students used to drop their complaints in the box and the creative suggestions are taken care of. For instance, there was a suggestion for arranging garden benches for students. It was done immediately.

#### **6.2.10 Litigation**

On very rare occasions, some complaints had gone to the courts. For instance, in 2011-2012, a prospective candidate filed a case against the institution on her grievances about the admission procedures under community quota. The case was withdrawn by the candidate herself as she got admission under merit quota.

#### **6.2.11 Feedback mechanism**

The college has a mechanism to collect feedback from the students on the performance of the institution. The feedback is obtained online. The students can log in on the site with their admission number as user Id and mark their evaluations about the performance of each teacher. Such evaluations are used for the betterment of the institution.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 Professional development of teaching and non-teaching staff**

The institution gives utmost importance to the professional development of its teaching and non teaching staff. The IQAC of the college is in charge of such efforts. It organises faculty enrichment programmes on as many occasions as possible. During the last five years, it organised the following programmes for the benefit of the teaching and non- teaching staff.

1. NAAC sponsored National Seminar on “Quest for Quality Education: The Role of IQAC in Accredited Institutions” during 10-11 March 2010.
2. Seminar on “Quality in Higher Education: Strategies and Perspectives” on 04 October 2011.
3. Faculty orientation lecture was delivered by Prof. K.P. Philip, former Principal, Training College Nedumkunnam on 10 August 2012.

4. Faculty orientation lecture by Rev. Dr. George Oliappuram on 01 October 2012.
5. Class for the non-teaching staff by Sri. D. Sadanandan on Service Rules on 01 October 2012.
6. Two day workshop for school teachers on the topic “Education and Regional Development” on 08 October 2012.
7. Two day conference for the aided college Principals in Kerala on “Emerging Perspectives in Higher Education” on 29 & 30 October 2012.
8. Two day Faculty Development Training for the young teachers of the college on 17 & 18 May 2013.
9. Orientation lecture for the teachers by Rev. Fr. Jacob Naluparayil on 10 October 2013.
10. Training programme for teachers by Dr. Tomy Cherian on 11 October 2013.
11. Training programme for the young teachers of the higher secondary schools on 10 November 2013
12. Lecture was delivered by Dr. B. Ashok on “Academic Autonomy” on 26 September. 2014
13. Orientation talk by Dr. Jacob John Kattakayam on “Enhancement of Quality in Higher Education” on 12 January 2015.

### **6.3.2 Faulty empowerment strategies**

The institution believes that the purpose of an educational institution can be best served only when the faculty is enriched and empowered in the right direction. Therefore, the college gives due importance to the training and motivating aspect of the teachers. The IQAC gives proper guidance and motivation to the teachers in taking up research projects and doing Ph.D.

### **6.3.3 Performance appraisal system**

To ensure better quality and efficiency of the teachers, Teacher Performance Record (TPR) is given to each teacher. The teachers will record their engagements in TPR which are monitored by the Head of the Department and the Principal. This practice is proved to be of much use in improving the performance of the teachers.



### 6.3.4 Review of the performance appraisal reports

The performance appraisal report of the teachers is evaluated by the Management team. The committee constituted by the Governing Body used to visit each department and evaluate the Teacher Performance Record in group and in person. The committee headed by the Manager suggests corrective measures collectively and in person. This method is very useful to individual teachers who want to improve upon their performance.

### 6.3.5 Staff welfare schemes

The performance of the teaching and non teaching staff is linked with the satisfactory environment in which they are designed to work. To ensure their job satisfaction, certain welfare schemes are put forward. The common welfare scheme which is available to both teaching and non teaching staff is the loan facility available from the staff co-operative society. Though the teachers, generally, are not in need of such financial helps, the non-teaching staff is heavily dependent on that scheme to meet their two ends. Another scheme which is meant exclusively for the non-teaching staff is a medical aid fund. This fund, initiated by Rev. Fr. Paul Nedumpurath, the former Principal, with the help of others, is to financially support the medical expenses of non teaching staff and their family members.

#### Welfare Scheme availed by Staff

Monetary Welfare Scheme	No. of Staff benefitted							
	2010-11		2011-12		2012-13		2013-14	
	No.	Amount (Rs)	No.	Amount (Rs)	No.	Amount (Rs)	No.	Amount (Rs)
PF Loan	28	2042630	22	21,82,500	21	26,89,250	18	38,84,580
Staff Co-operative Society loan	33	4817300	28	5285305	20	3691140	35	7461615

### 6.3.6 Searching and retaining eminent faculty

The quality of educational services provided is dependent on the quality of teachers. To attract meritorious teachers, wide publicity is given in national media about the availability of teaching posts in the college. The candidates are assessed on the basis of their academic merit and performance in the interview. Once they are recruited, they are given proper encouragement and motivation to sustain their academic interest and merit.

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 Optimal use of financial resources**

The financial management of the institution is monitored by the Planning Board. The Board is headed by the Principal and consisting of the representatives of the management, teaching staff and administrative staff. The Board meets at least once in six months and sets the priorities of the institution and allocates resources to each set of activity. The Board also oversees that the utilisation of financial resources are fool proof and effective.

### **6.4.2 Internal and external auditing**

The effective utilisation of financial resources is ensured by the proper auditing mechanisms. The college has entrusted a senior faculty in the Department of Mathematics with the responsibility of auditing the accounts of the institution, internally. The external auditing is done by a Chartered Accountant, specially designated for the purpose. In addition, the auditors of the Directorate of Collegiate Education also undertake the auditing of the utilisation of the public money. Normally, the govt. audit takes place with the change of the Head of the institution. Therefore, the latest audit was held in 2008. The objections raised by the auditing team were properly complied with.

### 6.4.3 Income and expenditure patterns

The major sources of funding for the infrastructural development and academic activities are the government agencies like UGC and DST and the PTA. The salary expenses are fully met by the state government. The auditing of the expenses met out of UGC/DST funding is done individual scheme wise and they are done as and when the utilisation of the fund under the specific scheme is complete. The fund generated by the PTA is used mainly as a corpus fund which is available for meeting contingencies and operational cost.

#### Income and Expenditure statement during 2010-2014

Sl. No.	Particulars	2010-2011		2011-2012	
		Receipt	Payment	Receipt	Payment
1.	Guest salary		835500		884750
2.	Establishment charges			606700	
3.	Other Fee				
4.	Contribution from regular teachers	1408485		1847065	
5.	Repair & Maintenance		261831		897653
6.	Travelling Expenses		139510		90651
7.	Advertisement		19300		25400
8.	Office Expenses		136055		90931
9.	Cleaning & Gardening		133700	850	158731
10.	Printing	74770	135293.50	35917	182791.75
11.	Legal Expenses		595794		139828
12.	Periodicals	3500			
13.	Rent	84070	1420	99343	10800
14.	Miscellaneous	1463108	8010	2034893	106770
15.	DTP, Internet & Photostat	52425	39903	48280	23268
16.	Machinery & Equipment			23000	26500
17.	Stationary		130736		
18.	Furniture		205500		382272
19.	Cultural Programmes		12671	121500	234133
20.	Others	2952128	3381906.5	11702699	3370529.75
	Total	6038486	6037130	16520247	16518654

Sl. No.	Particulars	2012-2013		2013-2014	
		Receipt	Payment	Receipt	Payment
1.	Guest salary		671250		931500
2.	Establishment charges			1011410	4000
3.	Other Fee			280407	70489
4.	Contribution from regular teachers	776930	77700	604630	91960
5.	Repair & Maintenance		1019475.40		144492
6.	Travelling Expenses		46170		59400
7.	Advertisement		27000	4400	30080
8.	Office Expenses		69505		145688
9.	Cleaning & Gardening		20980		25345
10.	Printing	415	62053		20345
11.	Legal Expenses		27800		167800
12.	Periodicals	772950			42790
13.	Rent	67115	5370	122220	1500
14.	Miscellaneous	3107142	163792	4417456	423872
15.	DTP, Internet & Photostat	53420	74596	84955	162145
16.	Machinery & Equipment				107150
17.	Stationary				107526
18.	Furniture		156800		47200
19.	Cultural Programmes	15000	195510		231630
20.	Others	9935942.5	11336556.6	785278.6	4495844.6
	Total	13963694	13954558	7310756.60	7310756.60

#### 6.4.4 Mobilising additional funds for development

Though these are the normal sources of funding for the running of the institution, efforts are also made to mobilise from other agencies like non-governmental organisations, govt. departments and alumni. The Health department and the Motor Vehicles department are regularly supporting the activities of the Health Club and the Road Safety Club. The alumni are also keen on supporting the activities of the college in the form of organising intercollegiate competitions.

## **6.5 Internal Quality Assurance System (IQAS)**

### **6.5.1 Internal Quality Assurance Cell (IQAC)**

The enhancement and sustainability of quality in the delivery of educational services of the college is the prime motive of the college management. To ensure such quality, the college has established an IQAC in the College. Since the establishment of the IQAC, substantial improvement has been observed in the quality of educational services provided by the institution. The IQAC gives necessary motivation and guidance to the teachers on what steps to be taken in maintaining and enhancing quality. It also sets the academic priorities of the institution and monitors the implementation of the prioritised schemes. It also organises several seminars and workshops for the purpose of enriching and developing the personal resources of the faculty.

The recommendations made by the IQAC are normally accepted and implemented as the body is headed by the Principal and consisting of representatives of the management. The IQAC consists of representatives of the teaching staff, administrative staff, management, students, and alumni. It also has four external experts who are noted academics/ industrialists. Their ideas and suggestions are of much use in fine tuning the decisions of the body. The recommendations of the IQAC are presented before the staff council which takes appropriate decisions. Such decisions are communicated to the departments and segments of the institution for implementation.

### **6.5.2 Framework for Quality assurance**

The IQAC develops an integrated approach towards quality maintenance in the institution. It takes the view that the purpose of education is not just imparting knowledge to the students. Instead, it is to mould socially useful citizens of the country. The teachers and students are oriented in this direction. As a result, lot of extra-curricular activities

are organised in the campus, imparting the much needed personal and inter personal skills among students.

### **6.5.3 Staff training**

In order to develop the skills of teachers in human resources management, they need to be given proper orientation and training. Therefore, orientation programmes are arranged for the teaching and non-teaching staff periodically. After attending such training programmes, it is observed that they have shown much interest in their educational mission.

### **6.5.4 Academic auditing**

For the purpose of improving the academic efficiency of the institution, the governing body undertakes the process of academic auditing. It appoints a committee under the leadership of the Manager to visit the college and take stock of the performance of the teaching and non-teaching staff. The committee visits all departments and units of the institution and interacts with everyone collectively and in person. The committee takes note of the strengths and weaknesses of each department and every teacher and communicate to them accordingly. On the basis of such review, the management adopts appropriate policy changes and revitalises the academic community.

### **6.5.5 Linking internal quality assurance mechanism with external agencies**

All the quality enhancement mechanisms made in the college are in tune with the initiatives of the State /Central Government and University Grants Commission. After all, the college is implementing different schemes of the Govt. and the UGC.

### **6.5.6 Mechanism for reviewing teaching-learning process**

The teaching learning process is evaluated by the teachers and the parents sitting together. Once in each semester, the parents are invited to

the college for a discussion with the teachers in the presence of the student. In such meetings, the teachers share with the parents their observations about the studies and behavioural patterns of the student. The parents also will share their impressions about the teachers and corrective measures are taken.

#### **6.5.7 Engaging external stakeholders on quality assurance policies**

The quality assurance policies of the institution are communicated to the internal and external stakeholders through multiple meetings with them. Periodical meetings of the teaching and non-teaching staff, parents and alumni are convened and the policy perspectives are properly communicated to them. Frequent communications are given to the students through the public address system. The quality standards of the institution are evident from the peaceful and vibrant campus life existing in the college.





## **CRITERION VII**

### **INNOVATIONS AND BEST PRACTICES**

#### **7.1 Environment Consciousness**

##### **7.1.1 Green auditing**

The college gives due importance to impart environment consciousness to its students. With this purpose, the college organises several seminars and orientation programmes in the campus. A major national seminar was organised on “Environmental Impact Assessment” in which nearly 40 research papers have been presented. The Botany Department is in the forefront of organising environment friendly activities. It conducted a green audit in the campus. A bio-diversity register is also maintained in the department.

##### **7.1.2 Making the campus eco-friendly**

The college tries to make the campus eco-friendly. The National Service Scheme leads the campaign among students on energy conservation, water harvesting and waste management. The NSS volunteers in each class motivate other students to switch off the fans and electric lights when not required.

There is a vermi compost plant in the campus which generates bio-gas required for the functioning of canteen and laboratories. The students are directed to keep the class rooms and surroundings clean and tidy. The college has installed a solar panel in the campus to harvest solar energy.

#### **7.2 Innovations**

##### **7.2.1 Innovative practices introduced**

The college has initiated a few innovative practices during the last four years.

### 1. *Sasthramam* (Science Village) Project

The *Sasthramam* project, initiated under the leadership of the science departments of the college aims at propagating the spirit of scientific temper among school children and is much appreciated by the media and the general public. The science teachers of the college visit the schools in the far flung areas of the district and take classes to the students on topics of scientifically important lessons which can be of practical use to the villagers. The project also aims at developing interest among students in basic sciences instead of going for technical or professional education. The project appears to have achieved the desired results.

### 2. Newman Community College

The college has instituted a community college within the campus with the financial assistance of the University Grants Commission. The college provides skill based training and education to the students who wish to join the workforce, rather early. The UGC has sanctioned two diploma courses- Rubber Technology and Dairy Science under the scheme. These courses are conducted in two semesters and the major thrust of the programme is on skill based practical training.

### 3. Zero Hour

The “Zero Hour” is an innovative project of the college by which a general awareness talk is held for five minutes (11.55 a.m.-12.00 noon) through the public address system. The purpose of the programme is to impart information to students on topics which are out of their regular syllabus. Normally, the students do this exercise, though occasionally the teachers are also involved in it. This practice enables the students to learn something beyond their prescribed syllabus.

#### **4. Departmental Magazines**

The college has evolved a system of publishing departmental magazines. The students of each department constitute an editorial board with a Chief Student Editor. The students contribute articles to the magazine. The Head of the department and Staff Editor monitor the entire process. As this scheme is designed as an inter-departmental magazine competition, the students evince much interest in the exercise. The publication of departmental magazine appears to have fostered the literary and artistic talents of the students.

#### **5. Food Festival**

The college arranges food fest every year with a view to promote the entrepreneurial talents of the students. The students have accepted this programme as is evidenced by the massive participation in it. Nearly 20-25 food stalls are put up by the students and food is served to teachers and students at reasonable price. The students make profit out of this exercise. This programme also serves the purpose of developing passion for cooking among students.

#### **6. Newman Monthly Lecture Series**

The college has started the practice of “Monthly Lecture Series”. The lecture is held on every first Friday at 2.45 p.m. A scholar is invited from outside the college to deliver a lecture on a topic of contemporary importance. The series is held with the active participation of the Alumni Association and the Former Faculty Forum. The programme is attended by the general public as well.

#### **7. Newman Youth Excellence Award**

The college instituted “Youth Excellence Award” in 2014. The award is instituted to identify and honour the most brilliant and outstanding undergraduate student from among the aided arts and

science colleges, affiliated to the different Universities in Kerala. The judgment is made on the basis of academic merit and performance in extra-curricular activities. Nominations are invited from the Principals and the judgment is made on the basis of objective criteria by a panel of experts. The award which carries a citation and purse of Rs.10001/- also aims at attracting bright students towards conventional education.

### **8. Snehasparsam (mid-day meal scheme)**

The ‘Snehasparsam’ project is a mid-day meal scheme, by which the teachers will identify the poor students who cannot afford to have mid day meal and give him/ her a lunch coupon with which the student takes food from the canteen, free of cost. This programme has proved to be a solace to many students.

The NCC unit has devised the scheme by which each cadet will carry an additional lunch packet everyday and hand it over to the inmates of a nearby orphanage.

The students of Economics department have undertaken another mid day meal scheme by which the students carry an extra lunch packet on every first Friday. The collected lunch packets are taken to an orphanage in the neighbourhood.

## **7.3 Best Practices**

### **1. Newman Monthly Lecture Series**

#### **Goal**

The aim of the Newman Monthly Lecture Series is the production and dissemination of knowledge on a regular basis. It is believed that an educational institution should cater to the educational needs of not only the students of the institution but also to that of the general public. It is also believed that when an outstanding scholar visits the college and interacts with the students and the general public, they definitely stand to

gain. This is the purpose for which the Newman Monthly Lecture Series is instituted.

### **The Context**

The context in which the programme is designed is the presence of an enlightened citizenry in and around Thodupuzha. Most of such people are interested in taking part in the academic activities of the college. The vibrant Alumni Association and an active Former Faculty Forum are of much help in conducting the programme.

### **The Practice**

The lecture is held on every first Friday from 2.45 p.m. to 4.15 p.m. If the first Friday happens to be a holiday, the programme will be held on the next Friday. This is a regular programme so that the regular participants can keep on coming, without any separate intimation. One practical problem that has been confronted is that of identifying the right resource person for the right topic. But that could be overcome by planning the programme much in advance.

### **Evidence of Success**

The monthly lecture series has proved to be a success as it evinced lot of interest among the general public. Each lecture is notified in the local media and the interested local people attend the lecture. Normally, around 20 people from the locality attend the programme. They interact with the speaker, asking questions and seeking clarifications. The teachers and students are also equally interested in this programme, as is evidenced by their increased participation in the programme.

### **Problems Encountered and Resources Required**

One of the problems encountered in the conduct of the programme is the paucity of financial resources. We need to generate money for the conduct of the programme. This is partially met out of the contributions made by the alumni and the former members of the faculty. The college

also funds this programme out of its own sources. The major chunk of the expenses goes to the travelling allowance and honorarium to the resource persons. Finding the resource person every month is also a problem; but that could be managed by the organisational skills of the organisers.

#### Contact Details

Name of the Principal	: Dr. T.M. Joseph
Name of the Institution	: Newman College
City	: Thodupuzha
Pin Code	: 685585
Accredited Status	: 'A' grade
Work Phone	: 04862 -229797
Website	: <a href="http://www.newmancollege.ac.in">www.newmancollege.ac.in</a> .
Mobile	: 9447851808
Fax	: 04862- 229797
E-mail	: <a href="mailto:principal@newmancollege.ac.in">principal@newmancollege.ac.in</a>

**2. Zero Hour** (An educative programme on topics which are beyond the prescribed syllabus)

#### Goal

The goal of the programme is to enable the students to learn something extra and thereby widen the knowledge horizon of the students.

#### The Context

The context in which the programme is designed is the contemporary situation of the new generation students wherein they know little about topics which are out of their prescribed syllabus. This situation has proved very costly for the students when they compete with a globalised graduate in the job market. Therefore, it was thought fit to convey the need of acquiring new knowledge on everything under the sun.

#### The Practice

Practically, this is a five minute programme of imparting awareness about a contemporarily relevant topic to the entire college community.

Normally this practice is done at 11.55 a.m. on all possible working days. Every department gets an opportunity for presentation on rotation basis. A teacher or a student representing the department will talk about a particular topic through the public address system. As the talk is about a new and relevant topic, the entire college community pays attention to it and get educated.

### **Evidence of Success**

The programme appears to be successful as it is running for the last three years. The feedback received from the teachers and the students indicate that they are interested in and benefited by the programme. The nature and extent of topics covered under the programme give the impression that such general educative programmes are very much needed in an institution of higher learning as it transcends knowledge beyond the limits of prescribed syllabus.

### **Problems Encountered and Resources Required**

The only problem encountered during the course of the programme is that of effective co-ordination. The teacher in charge of the programme needs to apply his discretion in identifying the topic, and the speaker. The topic has to be appealing to all sections of the college and the style of communication also should be impressive. The programme is inexpensive as there is no money involved.

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Mobile	: 9447851808
Fax	: 04862- 229797
E-mail	: <a href="mailto:principal@newmancollege.ac.in">principal@newmancollege.ac.in</a>





## Evaluative Report

1.Name of the department:		ENGLISH	
2. Year of Establishment:		1964	
3.Names of Programmes / Courses offered (UG, PG, M. Phil, PhD, Integrated Masters; Integrated Ph.D, etc.)		<ul style="list-style-type: none"><li>• UG- BA English,</li><li>• PG- MA English,</li><li>• PhD in English Language and</li><li>• UGC Career Oriented Add On Course in Communicative English</li></ul>	
4.Names of Interdisciplinary courses and the departments/units involved:		Open Course - English for Careers	
5.Annual/ semester/choice based credit system (programme wise):		Semester, Choice Based Credit System for BA and MA	
6.Participation of the department in the courses offered by other departments:		Add On and Open Courses offered by other departments	
7.Courses in collaboration with other Universities, Industries, Foreign Institutions etc-		Nil	
8.Details of courses/ programmes discontinued (if any) with reasons-		Nil	
9. Number of Teaching posts:		12	
		Sanctioned	Filled
Associate Professors		6	6
Asst. Professors		6	6
10.Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)			
Name	Qualification	Designation	Specialization
1.Jose Augustine	MA, MPhil, PhD	Associate Prof.	Film
2.A.J.Jose	MA, MPhil, PhD	“	Shakespearean Criticism
3.Leena Mathews	MA	“	
4.Sr. Alphonsa P.O	MA, MPhil, PhD,	“	Literary Theory-
5. Dr. Bijimol Thomas	MA, BEd MPhil, PhD	“	Black American Literature
6.Jose K.J	MA, MPhil	“	
7. Princy Jacob	MA, BEd	Assistant Prof.	Ecocriticism

8. Nibu Thomson	MA, PhD	“	American Literature	
9. Anu Joy Chemparathy	MA	“		
10. George Sebastian	MA, BEd, PhD, PGDJC	“	Popular Fiction, Film	
11. Leena P. Kuriakose	MA, BEd	“		
12. Sona George	MA, MPhil	“	Drama and Foucault	
11. List of senior visiting faculty-				Nil
12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty-				Nil
13. Student -Teacher Ratio (Programme wise)				
PG- 3: 1 (36: 12), UG- 18:1 (206:12), Other UG- 30:1 (363:12).				
14. Number of academic support staff (technical) and administrative staff;			sanctioned and filled- Nil	
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.			Faculty with PhD- 6, MPhil-6, PG- 4.	
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received				
Projects with grants received from National Funding Agency				
• Dr. Bijimol Thomas- Black Consciousness and the Politics of Environment-UGC Funded- Rs.1,25000/-				
• Princy Jacob- Reconstructive Ecoconcerns-UGC Funded- Rs.1,00000/-				
17. Departmental Projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:				
There are three Minor Research Projects funded by UGC, of which one is completed and two are ongoing. Total Grant received- Rs. 2,85,000/- Refer Section 3.2.7				
18. Research Centre /facility recognized by the University established on –			14/07/2009 Research Centre-recognized by UGC.	
19. Publications:				
The Department has to its credit a internationally refereed biannual academic journal named IJPCL				
Indian Journal of Postcolonial Literatures is a biannual academic journal published by the Post Graduate and Research Department of English, Newman College Thodupuzha. It is devoted to the studies on Postcolonial Literatures and publishes original and creative works, besides articles, notes, reviews and essays. The major objective of this journal is to explore and explicate the theoretical perceptions, cultural implications and contemporary relevance of Postcolonial Literatures. The journal has become a reference journal for academicians, research scholars and students who attempts to unravel the subtle and the grave dimensions of the discourse. It is a matter of immense fulfilment that thousands of research scholars refer this for their theses; hundreds of university/college teachers get exposure for their literary talents and get promotions through their articles; budding writers are introduced to the reading				

community. And infact, the journal serves as feast to both the scholars and laymen. The annual subscription rates include Rs.1000 (India) and \$50 (all other countries).	
20.Publications by Faculty	
• Total Number of Publications -	<b>55 (Refer Section 3.4.3)</b>
• Books Edited/ Authored	
• Total Number of Books –	<b>13 (Refer Section 3.4.3)</b>
21.Areas of consultancy and income generated	
1) Translation work done by Dr. Sr. Alphonsa P.O- translated the Biography of Msgr. Joseph C. Panjikaran from Malayalam to English funded by the Missionaries of St. Joseph.	
2) Counselors of IGNOU	
• Dr. Bijimol Thomas- Rs.500/ per hour(Total –Rs. 8,000/-)	
• Princy Jacob- Rs.500/- per hour(Total –Rs.8,000/-)	
• Dr. Nibu Thomson- Rs.500/- per hour(Total –Rs.10,000/-)	
• Sona George- Rs.500/- per hour(Total –Rs.10,000/-)	
22. Faculty as members in a)National committees b) International Committees c) Editorial	
1) Dr. A. J. Jose	IJPCL, Editorial Board Member
2) Prof. Leena Mathews	“
3) Dr. Sr. Alphonsa P. O	“
4) Dr. Bijimol Thomas	IJPCL, Chief Editor
5) Prof. Jose K. J	IJPCL Editorial Board Member
6) Princy Jacob	“
7) Dr. Nibu Thomson	“
8) Anu Joy Chemparathy	“
9) Dr. George Sebastian	“
10) Sr. Leena P. Kuriakose	“
11) Sona George	“
23.Student Projects	
a) Percentage of students who have done in-house projects including inter departmental/ Programme- Nil	
b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies- Nil	
24.Awards / Recognitions received by faculty and students	
Awards received by Faculty	
1)Dr. K.V. Dominic bagged Life Time Achievement Award from International Poets Academy Chennai in 2009.	
2)Sr. Alphonsa P.O. was awarded PhD. from M.G. University Kottayam in 2011.	
3)Bijimol Thomas was awarded PhD from M.G. University Kottayam in 2011	
4)Jose Augustine was awarded PhD from CUSAT in 2015	
5)Dr. Bijimol Thomas is a Subject Expert in the Panel of Experts of M. G. University.	
6)Dr. Bijimol Thomas is a member in PG Board of Studies constituted by M.G University.	
7)Dr. Jose Augustine is a member of UG Board of Studies of M.G University	

8) Prof. Leena Mathews was a member of the Inspection Commission for recommending Courses in three colleges- Alphonsa College, Palai, MES College, Nedumkandam and D.B Colg. Parumala
9) Dr. Bijimol Thomas was a member of the Inspection Commission for recommending Courses in Sree Narayana Guru College of Advanced Studies, Pampanar, Idukki.
<b>Awards Received by Students</b>
<ul style="list-style-type: none"> <li>Academic Achievements           <ul style="list-style-type: none"> <li>Rubia K.A- III Rank in MA English-2012</li> <li>Fathima Beegum- IV Rank in MA English-2012</li> </ul> </li> <li>Endowment Awards           <ul style="list-style-type: none"> <li>Ann Mary Andrews-Golden Jubilee Special Merit Award for Best Outgoing Student 2015</li> </ul> </li> </ul>
<b>ARTS COMPETITIONS</b>
<b>Intercollegiate Level:</b>
1. Ananda Vishnu-Best Cinematographer- All Kerala Short Film Festival organized by Malayala Manorama Daily in 2013
2. John Samuel-Best Director- All Kerala Short Film Festival organized by Malayala Manorama Daily in 2013
3. John Samuel & Team's Short Film First Time: Bagged II Prize in Malayala Manorama Short Film Contest in 2013
4. Teen Maria George: II BA ENG. I Prize: English Elocution Competition conducted at Assumption College Changanassery in 2015 -II Runner Up – Best Personality Contest- conducted at S.B. College in 2015
5. Manish Vattamattam & Naveen Joseph: II BA ENG. III Prize-All Kerala Intercollegiate Literary Quiz Competition –conducted at K.E College Mannanam in 2015 -III Prize- All Kerala Inter Collegiate Film Quiz Competition conducted at S.B College, Changanassery in 2015
6. Manish Vattamattam & Jomini Johnson: II BA ENG -III Prize: -Inter collegiate Quiz Competition conducted at Devamatha College, Kuravilangad in 2015
7. Swetha S- I BA ENG -I Prize- Monoact, –Intercollegiate Competitions in connection with Golden Jubilee Celebrations of Vazhithala Panchayat in 2015
8. Jomini Johnson- I BA ENG-II Prize-Folk Dance- Intercollegiate Competitions in connection with Golden Jubilee Celebrations of Vazhithala Panchayat in 2015
9. Ammu Maria Alex- I BA ENG- I Prize- Intercollegiate Essay Competition organized by Vimala Public School, Thodupuzha.
10. Jubin James- (III BA English)
<ul style="list-style-type: none"> <li>Best NSS Volunteer of M.G University, 2013-14.</li> <li>-II Prize-All Kerala Intercollegiate Debate Competition held at St. Aloysius College Edatua.</li> <li>-I Prize, All Kerala Intercollegiate Debate Competition held at St. Stephen's College, Uzhavoor, 2014.</li> <li>-II Prize- All Kerala Intercollegiate Debate Competition held at St. Xavier's College, Kalamassery, 2014.</li> <li>-Best Debator- All Kerala Intercollegiate Debate Competition held at Nirmala College, Muvattupuzha, 2014.</li> </ul>

<ul style="list-style-type: none"> <li>• -II Prize, All Kerala Intercollegiate Debate Competition held at Baseliious College, Kottayam, 2013.</li> <li>• -A Grade, Skit, MG University Kalotsav 2014</li> </ul>
11. Ann Mary Andrews-III Prize Elocution held at Alphonsa College Pala in 2013
12. Ananda Vishnu (I BA English 2011)- A Grade, Malayalam Recitation- MG University Kalotsav -III Prize, Light Music- held at MA College, Kothamangalam
13. Ananda Vishnu & Team (II BA English 2012)- Intercollegiate Patriotic Song Competition I Prize
14. Ronia Salas (III BA English 2010)- A Grade Third Prize in Skit (MG University Kalotsav)
15. Anupriya Paul (III BA English 2010)- A Grade Third Prize in Skit (MG University Kalotsav)
16. Suncilin S. Parathanam ( III BA English 2010)- A Grade Third Prize in Skit MG University Kalotsav
17. Jolsana George (III BA English 2010)- II Prize in Hindi Elocution(MG University Kalotsav)
18. Ronia Salas (III BA English)- II Prize- Chavara Elocution Competition
19. Jolsana George (III BA English)-I Prize- Chavara Elocution Competition
20. Jolsana George (III BA English 2010)-I Prize-Elocution-CSM Regional Kalolsav held at S.B College Changanassery
21. Noble Mathew (II MA English 2010)-I Prize-Elocution- CSM Regional Kalolsav held at S.B College Changanassery
22. Ronia Salas and Sr. Kochurani (III BA English 2010)- I Prize- Bible Quiz- CSM Regional Kalolsav held at S.B College Changanassery
23. Subin Scaria(I BA English 2010)- A Grade-Poetry Writing
24. Stini K. Manuel (III BA English 2010)- Short Story Writing Malayalam-II Prize -I Prize with Ever Rolling Trophy in All Kerala Speech Competition held at Christ College Iranjalakoda.
25. Jubin James participated National Republic Pre-parade Camp held at Bangalore 2012-13
<b>SPORTS COMPETITIONS</b>
1) Nikhilson Babu- Football Team Member-University Level Football Competition-III Prize -2014
2) Rajesh Ravi- Football Team Member-University Level Football Competition-III Prize-2014
3) Arun Mohan- Football Team Member-University Level Football Competition-III Prize-2014
4) Naveen Vijayan- <ul style="list-style-type: none"> <li>• Gold Medal- Power Lifting 59 kg-University Level (2013-14)</li> <li>• Gold Medal- Weight Lifting 62 kg-Universities Level (2013-14)</li> <li>• Gold Medal-Power Lifting 66 kg University Level (2014-2015)</li> <li>• Gold Medal-Weight Lifting 69 kg University Level (2014-2015)</li> <li>• Gold Medal-All Kerala Power Lifting Championship (2012-2013)</li> <li>• Gold Medal-All Kerala Power Lifting Unequiped (2012-2013)</li> <li>• Gold Medal- All Kerala Power Lifting Championship (2012-2013)</li> </ul>

<ul style="list-style-type: none"> <li>• IV Position-Inter University Power Lifting Competition (2012-2013)</li> </ul>
5) Anju K.T- Bronze Medal-M.G University- Power Lifting Championship in 2013 Bronze Medal- MG University- Wrestling Championship in 2013 Bronze Medal-State Wrestling Competition Championship in 2013
6) Best Badminton Player Trophy-I BA ENG- Leyon George- Paigottor Panchayat in 2015
7) Abin Jose participated in Adventure Camp at Manaly & Solang Valley, Himachal Pradesh 2013-14 for NSS Volunteers
8) Anumol Joseph (I BA English 2009) - I Prize- Inter collegiate Weight Lifting Competition -I Prize – Power Lifting Competition, Gold Medal- Cycle Polo Competition
9) Noble Thomas (I MA English 2009)- Selected to MG University Basket Ball Team
10) Chanchu Vijayan (I BA English 2009)-Bronze Medal MG University Weight Lifting Competition
11) Baby Jose Mathew (II BA English 2009) - Silver Medal in Power Lifting Competition.
12) Rose Maria Jose (II BA English 2013) - Gold Medal in Thaikonda Competition, MG University 2012 & 2014
24. List of eminent academicians and scientists / visitors to the department Eminent Academicians
1. Charu Niveditha- Renowned Tamil Poet, Writer- 9 Jan 2015
2. Smt. C. K Janu Adivasi Leader- 13 Jan 2015
3. Prof. Balachandran-Former Faculty & Scenarist-School of Letters, MG Uty,Kottayam-12 Dec 2015
4. Dr. Meena. T Pillai- Director, Centre for Cultural Studies,University Centre, Kerala- 20 Oct 2014
5. Dr. Siby James-Associate Professor, St. Thomas College, Pala- 21 Oct 2014
6. Dr. Dilip Raj-Associate Professor, Dept of Philosophy, Maharajas College- 21 Oct 2014
7. Prof. S. Joseph- Renowned Malayalam Poet and Associate Professor, Dept. of Malayalam, Maharaja's College, Ernakulam- 21 Oct 2014
8. Dr. S. Sankar- Retd. Scientist- Kerala Forest Institute, Peechi- 23 Jan 2014
9. Dr. S. Murali-Professor&H.O.D English- Pondicherry Central University- 23 Jan 2014
10. Dr. Sujatha Vijaraghavan- Professor, Pondicherry Central University- 24 Jan 2014
11. Prof. Basil Clark- Professor of Sociology- 11 Nov 2014
12. Prof. Thomas Cattoi- Professor, Santa Clara University, USA-18 Jan 2013
13. Rev. Dr. Binoy Pichalakattu- Renowned Mathematician- 18 Jan 2013
14. Prof. Nigil Plaming- 25 Jan 2012
15. Dr. Anita Manuel- Associate Professor, K. C. G College of Technology, Uty of Madras- 13 Dec 2011
16. Prof. Jose George- Full Bright Scholar and Asso. Prof., M.A College , Kothamangalam-13 Dec 2011
17. Dr. K. G Paulose- Former Vice Chancellor, Kerala Kalamandalam, Deemed

University for Arts and Culture- 13 Dec 2011					
18. Prof. Chadradasan, Asso. Prof., St. Albert's College, Cochin-13 Dec 2011					
19. Prof. Rajarajeshwari, Professor, St. Xavier's College, Thumba-13 Dec 2011					
20. Dr. Sreekumar, Chennai- 13 Dec 2011					
21. Stephen Brian, Catherine Brian, Professors- Britain-25 August 2011					
22. Dr. Jairaju –Professor, Gandhi Gram Rural University, Dindigal-23 Sep 2010					
23. Dr. Raj Kaml Siromani, Renowned Writer, Patna-23, Sep 2010					
24. Dr. Sunil Sharma, Renowned Writer, Mumbai, 23 Sep 2010					
25. Aju Mukhopadhyay- Renowned Critic and Poet, Bilingual Writer of fiction and essayist- 16 Jan 2009					
26. Jayadeep Sarangi- Renowned Poet- 16 Jan 2009					
27. Sunil Sharma- Renowned Critic- 16 Jan 2009					
25. Seminars/ Conferences/Workshops organized & the source of funding					
a) SEMINARS <b>Total Number of Seminars/ Conferences- 7 (Refer Section 3.1.8)</b>					
26. Student profile programme/course wise:					
<ul style="list-style-type: none"> <li>Rinu Roy- Msgr. Mathew Palamattam Award for Top Scorer in MA English (Final) instituted by Msgr. Mathew Palamattom</li> <li>Lizbel John-Prof. Sr. Berchumans Memorial Award for Top Scorer in Part 1 English (upto IV Sem) instituted by the family of Prof. Sr. Berchumans</li> <li>Glinsia Jose-Prof. Sr. Amanda Memorial Award for Top Scorer in BA English (upto IV Sem) instituted by the family of Prof. Sr. Amanda</li> <li>Chinchu Mathew- Prof. Manuel Thomas Memorial Award for Top Scorer in BA English (Final) instituted by the family of Prof. Manuel Thomas</li> <li>Rinu Roy- SABS Sisters Award for Top Scorer in MA English(Final) instituted by SABS Congregation</li> </ul>					
Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
I BA English		68	22	46	
II BA English		70	19	51	
III BA English		68	18	50	
I MA English		18	1	17	
II MA English		18	4	14	
27. Diversity of Students					
Name of the Course			% of students from the same state		
BA English			100%		
MA English			100%		
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?-					<b>NET -14 JRF- 2</b>
29. Student progression					
Student progression			Against % enrolled		
UG to PG			<b>60%</b>		
PG to M.Phil.			<b>10%</b>		
PG to Ph.D.			<b>15%</b>		



Ph.D. to Post-Doctoral	
Employed • Campus selection • Other than campus recruitment	<b>Campus Selection-10%</b> <b>Other-70%</b>
Entrepreneurship/Self-employment	<b>10%</b>
30. Details of Infrastructural facilities	
<ul style="list-style-type: none"> <li>Library-The students and teachers of the Department depend on the general library for reference. The number of English reference books is highest in number when compared to those in other disciplines.</li> <li>Internet Facilities for Staff &amp; Students-The department is wi-fi enabled. Both teachers and students have the facility to access internet in the Language Lab.</li> <li>Classrooms with ICT Facility –All PG classes are smart class rooms with LCD projectors.</li> <li>Laboratories- The Department maintains a well furnished air conditioned Language lab with 29 computers and a projector providing broad band internet access to the students and teachers of the department. The lab caters to the requirements of the students by providing opportunities to them to listen, and practice several language drills, games, model group discussions and interviews.</li> </ul>	
31. Number of students receiving financial assistance from college, university, government or other agencies	
<b>Class</b>	<b>No. of Students (SC,ST, OEC, OBC,KPCR) who get financial Assistance from Government</b>
	2009-10      2010-11      2011-12      2012-13      2013-14
III BA English	39      48      28      24      36
II BA English	48      30      24      38      32
I BA English	32      25      36      35      39
I PG English	8      13      36      11      11
II PG English	9      8      13      13      11
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts Special Lectures	
<ul style="list-style-type: none"> <li>Charu Niveditha, Renowed Tamil Writer delivered a lecture on “ Cultural Pluralism in Contemporary India”- 09 Jan 2015</li> <li>Dr. Aju Narayanan, Associate Professor, UC College, Aluva delivered a lecture on “Folk Culture”-Jan 16 2015</li> <li>K. Janu, Adivasi Leader, Social Activist and Adivasi Leader-“The Politics of Survival”- 16 January 2015</li> <li>Dr. Vincent Aerathu- “Communication Skills”-20 January 2015</li> <li>Prof. Basil Clark, Professor, Sociology, Scotland delivered a lecture on “ Literature and Ethics”-11 Nov. 2014</li> <li>Prof. P. Balachandran, Associate Professor(Retd.), School of Letters and Renowned Playwright and Scenarist delivered a lecture on “Trends in Theatre”- 12 Dec 2014</li> <li>S.Joseph, Associate Professor, Maharaja’s College, Ernakulam delivered a lecture on “Poetry and Translation”- 21 Oct 2014</li> </ul>	



<p>33. Seminars</p> <p>1. One Day Seminar on “Visual Ethics” on 25 September 2014</p> <p>Experts Present</p> <ul style="list-style-type: none"> <li>a) Jimmy James, Principal Correspondant Asianet News</li> <li>b) Veena George, Chief News Editor, India Vision</li> <li>c) Jeena Paul, Sports Desk Chief, Manorama News</li> </ul> <p>2. One Day Seminar on “Media and Democracy” on 20 November 2014 in association with Idukki Press Club</p> <p>Experts Present</p> <ul style="list-style-type: none"> <li>a) Dr. Sebastian Paul, Ex. M. P &amp; Renowned Critic</li> <li>b) N. P Rajendran, Press Academy Chairman</li> <li>c) S. Harikrishnan, Chief Reporter, Malayala Manorama</li> <li>d) T. C. Mathew, Executive Editor, Deepika.</li> <li>e) Abhilash Chandran, Principal Correspondant, Indian Express</li> </ul>	<p>34. Teaching methods adopted to improve student learning</p> <ul style="list-style-type: none"> <li>• Remedial Classes</li> <li>• Spoken English Classes</li> <li>• Counseling Sessions given by Tutors</li> <li>• Enhancing Peer Support</li> <li>• Test Papers conducted by Teachers</li> <li>• Financial Support extended by Faculty</li> <li>• Film</li> <li>• PPT</li> <li>• Seminar</li> <li>• Discussions</li> <li>• Language Lab</li> </ul>
<p>35. Participation in Institutional Social Responsibility (ISR) and Extension activities</p> <ul style="list-style-type: none"> <li>• Summer Showers This is an extension activity conducted by the Department of English in the months of April and May every year. The programme provides communication and grammar classes to the nearby Malayalam Medium High School students at free of cost. The classes are taken by the faculty of the Department. A pre-set syllabus and activities designed by the faculty members make the programme systematic and fruitful. The students who attend this course are given away certificates and the Department finds gratification in this endeavor as the programme has proved its objectives in extending a free service to the society.</li> <li>• Lit Regatta- Prof. C. J. Thomas Memorial All Kerala Intercollegiate Quiz Competition With a view to honour Pro. C. J. Thomas, the former faculty member of the Department and to encourage students with good knowledge in literature the department has instituted an All Kerala Intercollegiate Quiz Competition. The Department conducts the competition every year and an ever rolling trophy and cash prizes worth Rs. 5000, Rs. 3000 and Rs. 2000 are given away to the first, second and third positions respectively.</li> <li>• Explora A workshop for Plus Two and Degree students to improve their skills in group</li> </ul>	

discussion and interview	
36. SWOC analysis of the department and Future plans	
Strengths	<ul style="list-style-type: none"> <li>• <b>Research Department</b></li> <li>• <b>Journal-IJPCL- Internationally referred biannual journal,</b></li> <li>• <b>Language Lab</b></li> <li>• <b>WI-Fi enabled Dept.</b></li> <li>• <b>Majority of Faculty hold PhD</b></li> <li>• <b>Extension Programme-Summer Showers for Malayalam Medium High School Students of nearby Schools</b></li> <li>• <b>Prof. C. J Thomas Memorial All Kerala Intercollegiate English Literary Quiz.</b></li> <li>• <b>Organisation of National and International Seminars</b></li> <li>• <b>Add on Course in Communication Skills in English</b></li> <li>• <b>Film Club</b></li> <li>• <b>Dramatic Club</b></li> <li>• <b>Spoken English Club</b></li> <li>• <b>Faculty members co-ordinate different programmes at college level</b></li> <li>• <b>Faculty members are invited as Resource Persons for taking classes</b></li> </ul>
Weakness	<ul style="list-style-type: none"> <li>• <b>Use of Mother Tongue as the medium of communication by students.</b></li> </ul>
Opportunities	<ul style="list-style-type: none"> <li>• <b>Invited Lectures by Experts</b></li> <li>• <b>Seminars</b></li> <li>• <b>Spoken English Club</b></li> <li>• <b>Extension Activities like Summer Showers</b></li> <li>• <b>Add on Course in Communicative English</b></li> <li>• <b>Open Course- English for Careers</b></li> <li>• <b>Drama Staging</b></li> </ul>
Challenges	<ul style="list-style-type: none"> <li>• <b>Disparity in Teacher Student Ratio</b></li> </ul>
Future Plans	<ul style="list-style-type: none"> <li>• <b>Monthly Lecture Series</b></li> <li>• <b>IELTS</b></li> <li>• <b>All UG Classes turned to Smart Classes</b></li> <li>• <b>Summer Internship</b></li> <li>• <b>Creative Writing Camp</b></li> <li>• <b>Film Festival</b></li> <li>• <b>Book Fair</b></li> <li>• <b>Introducing English Classic Movies to Students</b></li> </ul>

1. Name of the department:		<b>Physics</b>
2. Year of Establishment:		<b>B.Sc. Physics in 1981 M.Sc. Physics in 1993 Research Centre in 2007</b>
3. Names of Interdisciplinary courses and the departments/units involved		
<b>Programme</b>	<b>Department</b>	<b>Course</b>
B.Sc. Physics	Commerce	<b>Amateur Astronomy</b>
	Chemistry	<b>Amateur Astronomy and Complementary Physics</b>
	Mathematics	<b>Amateur Astronomy and Complementary Physics</b>
4. Annual/ semester/choice based credit system (programme wise)		
UG	B.Sc. Physics	Choice Based Credit & Semester System(CBCS)
PG	M.Sc. Physics	Choice Based Credit & Semester System(CBCSS)
Ph D	Physics	
5. Participation of the department in the courses offered by other departments		
<b>Programme</b>	<b>Department</b>	<b>Course</b>
B.Sc.	Mathematics	Applicable Mathematics
	Chemistry	Chemistry in everyday life
	Commerce	Fundamentals Accounting
6. Courses in collaboration with other universities, industries, foreign institutions, etc.		
IUCAA, Pune, Node for Astronomy and Astrophysics Development (INAAD) Centre during January 2011.		
7. Details of courses/programmes discontinued(if any) with reasons		<b>Nil</b>
8. Number of Teaching posts		<b>Associate Professor 8 Assistant Professor 1</b>
9. Faculty profile with name, qualification, designation, specialization.		
1. C B satheeshkumar, M Sc, Associate Professor, Computational Physics.		
2. Dr. K A Joseph., M Sc, PhD, PDI.Tcg&Ln., Associate Professor, Fluorcence Spectroscopy.		
3. Jessy Thomas, M Sc, Associate Professor, Digital and analog Electronics.		
4. L J Parathazham , M Sc, Associate Professor, Mechanics.		

5. K A Philip, M Sc, M Phil, Associate Professor, Electronics.					
6. Dr. Joe Jacob., M.Sc., Ph.D., Assistant Professor, Astronomy and Astrophysics					
7. Baby Mathew, M Sc, Associate Professor, Digital and analog Electronics.					
8. Dr. George James T., M.Sc. M.Phi., Ph.D., Associate Professor, Nanoelectronics, Quantum transport.					
9. Marykutty John, M Sc, MPhil, Material science.					
10. List of senior visiting faculty					
11. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty			UG Nil PG Nil		
12. Student -Teacher Ratio (programme wise)			B.Sc. 33:1 M.Sc. 6:1		
13. Number of academic support staff (technical) and administrative staff:					
	Sanctioned		filled		
Technical Staff		4	4		
Administrative staff		nil	nil		
14. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG			No. of teachers with Ph.D 3 No. of teachers with M.Phil 2 No. of teachers with PG 4		
15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:			Nil		
16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.			Partially benefited by the DST-FIST grant of Rs.90 lakhs to all science departments of the college.		
17. Research Center /facility recognized by the University:					
The Research activities of the Department focus on Biophysics, Astrophysics, Microwave Electronics and Material Physics. Department also had the facility to compute quantum effects and non-equilibrium ballistic transport in extremely scaled transistors, where a non-equilibrium Greens function formalism (NEGF) has been used to study the quantum transport problem.					
18. Publications in refereed journals:					
Name of the faculty	International journal	International conference proceeding	National journal	National conference proceeding	Total Citations
Dr. K A Joseph	2	1			
Dr. Joe Jacob	8				
Dr. George James T	7	5	3	4	7

19. Publications in international journals.	<b>International Publications are tabled in the Section 3.4.3 (c)</b>																																																						
20. Publications in international conference proceedings	<b>International conference proceedings are tabled in the Section 3.4.3 (c)</b>																																																						
21. Publications in national journals/ conference	<b>National journals and conference are tabled in the Section 3.1.8</b>																																																						
22. Areas of consultancy	<b>Area Faculty involved: Guiding M Sc students from other nearby Colleges.</b>																																																						
23. Faculty as members in a) National committees b) International Committees c) Editorial Boards	<b>Nil Nil Nil</b>																																																						
24. Percentage of students who have done in-house projects including inter departmental/programme	<table border="1"> <thead> <tr> <th>UG</th><th>2007-08</th><th>2008-09</th><th>2009-10</th><th>2010-11</th><th>2011-12</th><th>2012-13</th><th>2013-14</th></tr> </thead> <tbody> <tr> <td>In-house Projects</td><td>100</td><td>100</td><td>100</td><td>100</td><td>100</td><td>100</td><td>100</td></tr> <tr> <td>projects in other institutes</td><td>nil</td><td>nil</td><td>nil</td><td>nil</td><td>nil</td><td>nil</td><td>nil</td></tr> <tr> <th>PG</th><th>2007-08</th><th>2008-09</th><th>2009-10</th><th>2010-11</th><th>2011-12</th><th>2012-13</th><th>2013-14</th></tr> <tr> <td>In-house Projects</td><td>80%</td><td>72%</td><td>80%</td><td>72%</td><td>80%</td><td>80%</td><td>72%</td></tr> <tr> <td>projects in other institutes</td><td>20%</td><td>28%</td><td>20%</td><td>28%</td><td>20%</td><td>20%</td><td>28%</td></tr> </tbody> </table>							UG	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	In-house Projects	100	100	100	100	100	100	100	projects in other institutes	nil	nil	nil	nil	nil	nil	nil	PG	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	In-house Projects	80%	72%	80%	72%	80%	80%	72%	projects in other institutes	20%	28%	20%	28%	20%	20%	28%
UG	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14																																																
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projects in other institutes	20%	28%	20%	28%	20%	20%	28%																																																
25. Awards/ Recognitions received by faculty and students	<b>University First/ Second Rank B Sc Physics: Nil</b>																																																						
26. List of eminent academicians and scientists / visitors to the department	<b>Dr.Vincent Mathew, Dean of Student Services and HOD Physics, Central University of Kerala</b>																																																						
27. Seminars/ Conferences/Workshops organized & the source of funding	<b>Two national seminars are organised with UGC funding</b>																																																						
28. Student profile programme/course wise :	<b>Results for UG and PG during last five years are tabled in section 5.2.2</b>																																																						
29. Diversity of Students	<b>B.Sc. Physics : 100% of students from the same state M.Sc. Physics : 100% of students from the same state</b>																																																						
30. Students who have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.																																																							

	No	Name	Year	Position	
NET/PhD	7	Indhu Sebastian	2005-08	Research scholar, CUSAT	
		Merin Jose	2007-10	Appointed at St.Thomas college,Ranni	
		Dr. Mathew K Varghese	1996-98	Asst prof., Pavanatma college, Murickasserry	
		Dr.Jaiby Joseph	2000-02	Appointed at K.E college, Mannanam, PhD from Kent State University Ohio	
		Dr.Feby Jose	1995-98	Appointed at K E college .Mannanam, PhD from Nuclear Physics IGCAR	
		Chithira R. Nair	2010-12	Research fellow, Birla Institute of Technology & Science,Pilani.Goa	
		Abhilash Vincent		Mayo clinic (Reasearch fellow)	
Civil service	1	Jeevan Babu		I A S Officer	
Defense services	1	George Mathew		Army commissioned officer	
31. Student progression Against % enrolled					
Year	2010-11	2011- 12	2012-13	2013-14	2014-15
UG to PG	38%	31%	50%	34%	
Campus Recruitment	nil	nil	3	3	2
Other Recruitment	nil	nil	nil	nil	
32. Details of Infrastructural facilities			The data shown are the facilities provided exclusively for the UG & PG students of the department. The general infrastructural facilities of the institution are not included in the list.		
a. Library b. Internet facilities for Staff & Students			Yes computers :5 Internet: Yes		

c. Class rooms with ICT facility d. Laboratories	<b>Laptop: 1</b> <b>Laser Printer :2</b> <b>LCD projector: 3</b> <b>Wi-Fi: Yes</b> <b>3</b> <b>Core Physics</b> <b>Complementary Physics</b> <b>Computational Physics</b>
33. Number of students receiving financial assistance from college, university, government or other agencies	<b>UGC 2010-11: 9</b>
34. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: <ol style="list-style-type: none"> <li>1) UGC sponsored National Seminar on "Global Warming &amp; Biodiversity" on 16-17 Aug.2012</li> <li>2) The Annual Prof. P.S. Cherian Memorial Lecture on 11th Feb. 2011, lecture was delivered by Prof. M.R. Anantharaman (CUSA T, Kochi) "Potentials of Nano Technology"</li> <li>3) The Annual Prof. P.S. Cherian Memorial Lecture on 12th Feb. 2013, Quantum Harmonic Oscillator, Dr Suresh V Vettoor</li> <li>4) The Annual Prof. P.S. Cherian Memorial Lecture on 4/8/2014 ( Gravitational Wave Astronomy, Dr Gopukumar, TIFR Mumbai)</li> <li>5) The Annual Prof. K.S. Tomy Endowment Lecture on Theoretical Physics on 27 Feb 2012, 'Postulate of quantum mechanics by Dr. Remesh Babu T'</li> <li>6) The Annual Prof. K.S. Tomy Endowment Lecture on Theoretical Physics on 2 April 2013</li> <li>7) The Annual Prof. K.S. Tomy Endowment Lecture on Theoretical Physics on 18 April 2014,'Quantum Mechanics, Angular Momentum', Dr K P Satheesh, Rtd. Principal, Govt. Brahnen College, Thalassery</li> <li>8) Being an astronomer by Watson P Warikat on 27 July 2010</li> <li>9) Celebrations on 24 February 2012. The theme of the celebration was 'Clean Energy Options and Nuclear Safety'.</li> <li>10) The Science Day Lecture was delivered by Dr. S. Sankararaman, Associate Professor and Research guide, Department of Physics, Nirrnala College, Muvattupuzha.</li> <li>11) National Science day celebration 28 Feb. 2011</li> <li>12) Department of Physics, in collaboration with IUCAA Resource Centre (IRC) Kochi, conducted a four day workshop on "Science with Virtual Observatory" from 10 to 13 October 2011. World renowned astronomers Prof. Massimo Ramella and Dr. Marco Molinaro from INAF, Trieste, Italy,</li> <li>13) Sastra Gramam Project - taking Science to Villages (in collaboration with</li> </ol>	

<p>Kudumbasree mission, whole Idukki Dist)</p> <p>14) Seminar on Interstellar medium 22 Dec. 2008 - Prof. Jayant Murthy MA Bangalore</p> <p>15) IYA Inauguration Prof. Yogesh Wadadekhar, NCRA Pune</p> <p>16) An afternoon with an Astrophysicist, Prof. T. Padmanabhan, Dean IUCAA Pune (for the selected Higher Sec. School Students)</p> <p>17) National Seminar (UGC) 'Cyberspace assisted Responsive Education', 27/06/2014, Dr Vijyakumar DCDC, Dr Sibichen K Mathew IRS, Dr Achuth Sankar S Nair, Dr Santhosh Kumar and Dr Senthilkumar, coordinator Dr George James T.</p>	<p>35. Teaching methods adopted to improve student learning:</p> <ul style="list-style-type: none"> <li>• Seminars and assignments</li> <li>• Study tour</li> <li>• Projects</li> <li>• Lecture method, LCD Projector, Internet Facilities</li> <li>• Video Lectures of eminent teachers</li> <li>• e-resources from INFLIBNET</li> </ul>
<p>36. Participation in Institutional Social Responsibility (ISR) and Extension Activities:</p> <p>1) Financial Support: The members of the Staff, Dept. of Physics have given Rs.40,000/- to Amal Antony, our student, 2008-13 for the major eye operation.</p> <p>2) 2004-07 B.Sc Physics batch has instituted a scholarship of Rs.500/- per month for two students every year, who are economically in need from the B.Sc degree Physics classes. Besides these the staff members are providing financial help for the needy students personally.</p> <p>3) Participation of staff in co-curricular &amp; extracurricular activities: Our former HOD Smt. Philomenamma George is one of the coordinators of Ham Radio Club.</p> <p>4) Sri C B Satheeshkumar is working as the coordinator of Science club, Anti-narcotic club, Science day celebration &amp; Prof. K. S Tomy Endowment lecture, Chirman BOS (UG) MG University, Kottayam.</p> <p>5) Smt Jessy Thomas is the coordinator of Prof.P.S Cherian memorial lectures the Astronomical Observatory.</p> <p>6) Dr.K A Joseph is the coordinator of Remedial Teaching and Prof. K S Tomy Endowment lecture. He is one of the members of Research promotion council &amp; Jubilee core committee.</p> <p>7) Sri. L J Parathazham is one of the coordinators of the Onam celebration &amp; the Food festival. He is the Staff Advisor. He is in charge of canteen, road safety club, staff tour. He also co-ordinates the Ford Foundation of India's</p>	



project on Pathways to higher education during the last three years, implemented in the college through the Kothamangalam Social Service society.

- 8) Sri K A Philip was the coordinator of the exhibition New vista 2012 conducted in the college.
- 9) Dr Joe Jacob is the coordinator of Center for Astronomical Studies .Astronomy club Science popularization. He is a member of Research promotion council also.
- 10) Sri. Baby Mathew is in charge of P G Computer lab& Astronomical Observatory. He is the coordinator of Prof. P S Cherian memorial lecture.
- 11) Smt. Marykutty John is the coordinator of Center for Women Empowerment, Onam celebration & the Food festival which are being conducted every year. The Centre for women empowerment has its strong presence in the campus with services in the areas of skill development, life guidance, and personality development for girl students and plays an important role in moulding them with the will power to sustain in the modern world. Its programmes ranges from training sessions for the students and parents, legal awareness workshops, sensitization programmes and Lectures by experts in the field. The Centre meets once every month.
- 12) 3 of our members, Sri L J Parathazham, Dr. K A Joseph & Smt. Marykutty John are elected into the Director board of the Staff co operative society. Sri. L J Parathazham is serving as the Secretary.
- 13) Sri Dr George James T is working as the member of planning board, Newman College.

37. SWOC analysis of the department and Future plans:

- a) Strength of the department
  - **Sound academic track record of the students**
- b) Weakness of the department
  - **Poor communication skills of students**
- c) Opportunities
  - **Better career options for Physics graduates**
- d) Challenges
  - **Linkage and collaboration with other institutes.**
- e) Future plans
  - **Enhance the facility of the computational Physics lab**
  - **Strengthen the collaboration with research institutes of national reputation for better research exposure.**

<b>1. Name of the department:</b>		<b>Chemistry</b>	
<b>2. Year of Establishment:</b>		<b>1965</b>	
<b>3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):</b>		<b>B. Sc. Chemistry (Model 1) M. Sc. Chemistry</b>	
<b>4. Names of Interdisciplinary courses and the departments/units involved:</b>			
Complementary biochemistry for botany      Complementary chemistry for botany UG Open courses in Environmental Chemistry for all UG programmes in the college.			
<b>5. Annual/ semester/choice based credit system (programme wise):</b>		<b>B. Sc. Chemistry (Model 1; CBCSS), M. Sc. Chemistry (Pure; CSS)</b>	
<b>6. Participation of the department in the courses offered by other departments:</b>		<b>UG Open course in Environmental Chemistry for all UG programmes in the college.</b>	
<b>7. Courses in collaboration with other universities, industries, foreign institutions, etc.</b>			
D. Voc. in Dairy science in collaboration with Jeevodaya Milk Project under Kothamangalam Social Service Society D. Voc- Rubber Technology in collaboration with Lunar Rubber Industries (Pvt.) Ltd, Thodupuzha			
<b>8. Details of courses/programmes discontinued (if any) with reasons:</b>			<b>Nil</b>
<b>9. Number of Teaching posts</b>			
	<b>Sanctioned</b>		<b>Filled</b>
Associate	6	6	
Asst. Professors	4	4	
<b>10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>			
<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>
			<b>No. of Years of experience</b>
			<b>No. of Ph.D. Students guided</b>

M.T. John	M Sc M Phil.	Asso. Prof.	Quantum Mechanics	33	7		
Dr. Lovely Mathew P.	M Sc.M Phil. Ph.D.	Asso. Prof.	Polymer Chemistry	33	Nil		
Jessy Mathew	M Sc.	Asso. Prof.	Physical Chemistry	32	Nil		
T. G. Clement	M Sc.	Asso. Prof.	Organic Chemistry	32	Nil		
Minny Kurien	M Sc. M Phil.	Asso. Prof.	Organic Chemistry	30	Nil		
Jose Mathew	M Sc.	Asso. Prof.	Physical Chemistry	22	Nil		
Dr. Bejoy Thomas	M Sc., Ph. D., D. Catal. (Ulm, Germany)	Asst. Prof.	Material Science	04	Nil		
Sona John	M Sc.	Asst. Prof.	Inorganic Chemistry	04	Nil		
Dr. Cincy George	M Sc. Ph.D.	Asst. Prof.	Nano Chemistry	02	Nil		
Dr. Alex Joseph	M Sc. Ph. D.	Asst. Prof.	Polymer Chemistry	01	Nil		
11. List of senior visiting faculty:							
<ul style="list-style-type: none"><li>• K. K. John, (Rtd. Diary Extn. Officer)</li><li>• Dr. K. T. Thomas (Rtd. Duputy Director, RRI, Kottayam)</li><li>• Dr, Lene George, Asst. Prof. University College of Engineering, Thodupuzha)</li><li>• Dr. Hameed (Rtd. Vetenary Surgen, Thodupuzha)</li><li>• Dr. Siby Joseph (late; Associate Prof. St. Joseph's College, Moolamattom)</li><li>• Dr. M. George (Associate Prof. S.H. College, Thevara, Kochi)</li></ul>							
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:					Nil		
13. Student -Teacher Ratio (programme wise); B. Sc. Programme in Chemistry:							
Year	Number of students				Total number of students	Number of teachers	Student-Teacher Ratio
	Core BSc Chemistry	Complementary BSc Physics	Complementary BSc Botany	Complementary BSc Zoology			
2009-10	114	44	59	81	298	10	30:1

2010-11	114	48	57	82	301	10	30:1
2011-12	112	55	56	77	300	10	30:1
2012-13	117	61	53	85	316	10	32:1
2013-14	124	70	55	96	345	10	35:1
2014-15	130	72	59	91	352	10	35:1
M. Sc. Programme in Chemistry:							
Year	Total number of students in MSc Chemistry		Number of teachers		Student-Teacher Ratio		
2009-10	23		10		2:1		
2010-11	25		10		3:1		
2011-12	27		10		3:1		
2012-13	28		10		3:1		
2013-14	28		10		3:1		
2014-15	29		10		3:1		
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled						Lab Technical Staff: 4	
15. Qualifications of teaching faculty with D. Sc/ D.Litt/ Ph.D/ MPhil / PG. <ul style="list-style-type: none"><li>• Dr. LovelyMathew P., Ph.D</li><li>• Dr. Bejoy Thomas, Ph.D, D. Catal. (Ulm, Germany)</li><li>• Dr. Cincy George, Ph.D</li><li>• Dr. Alex Joseph, Ph.D</li><li>• Prof. M. T. John, M.Phil.</li><li>• Prof. Minny Kurian, M.Phil.</li></ul>							
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:						3	
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Dr. LOVELY MATHEW(Completed/ongoing)							
Sl. No.	Title of the Project			Sponsoring Agency		Allotted Amount	
1.	Development of isora microfibril reinforced natural rubber composites (2009-2012)			KSCSTE (Major)		10,10,000 (Completed)	
2.	Development of high performance isora nanofibril reinforced polyester nanocomposites (2010-2013)			UGC (Major)		10,20,000 (Completed)	

3.	Bio Degradation behaviour of isora fibre reinforced natural rubber composites (2008-2010)	UGC (Minor)	80,000 (Completed)
4.	Low temperature curing and ageing studies of isora nanofibril reinforced natural rubber latex composites. (2013-2015)	UGC (Minor)	1,60,000 (Ongoing)
Dr. Bejoy Thomas(Sanctioned)			
Sl. No.	Title of the Project	Sponsoring Agency	Allotted Amount
1.	Nano-cellulose Phosphate: Righteous Support for the Heterogenization of Homogeneous Catalysts	UGC	11,59, 000
Sona John (Ongoing)			
Sl. No.	Title of the Project	Sponsoring Agency	Allotted Amount
1.	Low temperature curing studies of isora nanofibril reinforced natural rubber latex composites.	UGC (minor)	1,60,000
<p>"Fund for Improvement of Science and Technology Infrastructure in Universities and Higher Educational Institutions - (FIST)" was the new millennium initiative of the Department of Science and Technology towards imparting good quality of higher education and conducting research in emerging fields of science and engineering. Over the years, FIST has catered to the academic augmentation of many Departments either at Level I or at Level II. The objectives of the FIST program has strengthened quality research and teaching in various areas at the departments. The department of chemistry at Newman College has taken the initiation and put-up a colossal project proposal to DST under this scheme in 2012-2013 academic year. The FIST proposal was sanctioned and the college was awarded with Rs. 90 lakhs. The Scheme is now in the advance stage of implementation. The FIST scheme has gone a great way in improving the scientific research facilities in the various science departments of Newman College.</p>			
18.	Research Centre /facility recognized by the University:	No	
19.	Publications:		
	a) Publication per faculty		
	National /International Publications are tabled in the Section 3.4.3		
	National/International conference are tabled in the Section 3.4.3		
20.	Number of papers published in peer reviewed journals (national/ International) by faculty and students	39 (2007-2015)	

<ul style="list-style-type: none"> <li>* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)</li> <li>* Monographs</li> <li>* Chapter in Books</li> <li>* Books Edited</li> <li>* Books with ISBN/ISSN numbers with details of publishers</li> <li>* Citation Index</li> <li>* SNIP</li> <li>* SJR</li> <li>* Impact factor</li> <li>* h-index</li> </ul>	
21. Areas of consultancy and income generated	
Faculty as members in National committees b) International Committees c) Editorial Boards....	<b>None</b>
22. Student projects <ul style="list-style-type: none"> <li>a) Percentage of students who have done in-house projects including inter departmental/programme               <ul style="list-style-type: none"> <li>• 100% over the years for B. Sc. Programme in Chemistry</li> <li>• &gt;70% for the M. Sc. Programme in Chemistry (2014-2015 academic year this is 100 %)</li> </ul> </li> <li>b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies               <ul style="list-style-type: none"> <li>• None for B. Sc. Programme in Chemistry</li> <li>• &lt;30 % for the M. Sc. Programme in Chemistry (2014-2015 academic year this is 100 %)</li> </ul> </li> </ul>	
23. Awards / Recognitions received by faculty and students	
24. List of eminent academicians and scientists / visitors to the department	
25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) international	
26. Student profile programme/course wise:	

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	

27.Diversity of Students									
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Year	BSc Chemistry % of students from the same	MSc Chemistry % of students from the same							
2009-10	100%	100%							
2010-11	100%	100%							
2011-12	100%	100%							
2012-13	100%	100%							
2013-14	100%	100%							

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?									
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29. Student progression									
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Year	Number of students	UG to PG (%)	Number of students	PG to M.Phil (%)	PG to Ph.D (%)	Ph.D to Post-D Doctoral (%)	Campus Recruitment	Other than campus	Self Employment
2009-10	42	22	10	Nil	16	Nil	Nil	12	7
2010-11	31	16	13	7	16	Nil	Nil	17	14
2011-12	40	8	14	Nil	21	Nil	Nil	24	8
2012-13	41	17	15	Nil	7	Nil	3	19	20
2013-14	43	26	14	Nil	7	Nil	3	21	18

30.Details of Infrastructural facilities									
a) Library									
b) Internet facilities for Staff & Students									
c) Class rooms with ICT facility									
d) Laboratories									

31. Number of students receiving financial assistance from college, university, government or other agencies									
--	--	--	--	--	--	--	--	--	--

Name of the fellowship/ Scholarship	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Postmatric scholarship (Rs 3000/- each)	15	22	19	17	24	23

Higher education scholarship (1200/- each)	2	2	1	2	1	1
District merit scholarship (10,000 /- each)	-	1	-	-	1	-
Kerala Suvarna jubilee Merit scholarship (10,000 each)	-	-	1	1	-	1
Minority Scholarship (Rs 3390/-)	1	1	2	1	1	2
University merit scholarship (2700/- each)	1	-	-	1	-	-

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Name of the programme	Date
1	Chemistry Exhibition in association with IYC – 2011	25 Feb 2011
2	Seminar on IYC - 2011	1 Mar 2011
3	One day national Seminar on ‘Sustainable Waste Management’	26 Aug 2011
4	3 day workshop on ‘General Informatics’	24-26 Aug 2011
5	Workshop on ‘Value Added Rubber Products’ in association with Rubber Board	24 Nov 2011
6	Science Exhibition ‘New Vista 2012’	5,6 Jan 2012
7	Quiz Competition in association with closing ceremony of IYC 2011	7 Feb 2012
8	UGC sponsored 3 day national seminar on ‘Climate Change: Challenges And Strategies’	13-15 Feb 2012
9	Lecture on ‘Raman Spectroscopy’	7 Sept 2012
10	Prof. V. A. Mathew Memorial Lecture on ‘Chemistry in Space Research’	15 Feb 2013
11	3 day national conference on ‘Recent Advances In Spectroscopy’	28 feb, 1-2 Mar 2013
12	One day seminar on ‘NMR spectroscopy’	Jan 2014
13	One day seminar on ‘Recent Trends in Nanotechnology’ in connection with National Science Day celebrations 2014	28 Feb 2014
14	Prof.V. A. Mathew Memorial Lecture on ‘Computational Chemistry’	Dec 2014
15	One day seminar on ‘Science for Nation building’ in connection with National Science Day celebrations	26 Feb 2015



2015	
33. Teaching methods adopted to improve student learning	
34. Participation in Institutional Social Responsibility (ISR) and Extension activities	
35. SWOC analysis of the department and Future plans	

<b>1. Name of the department :</b>	<b>Mathematics &amp; Statistics</b>
<b>2. Year of Establishment :</b>	<b>1964</b>
<b>3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)</b>	<b>B.Sc Mathematics (Main) M.Sc Mathematics (Main)</b>
<b>4. Names of Interdisciplinary courses and the departments/units involved:</b>	
Offers an open course for the V semester U.G. students in Applicable Mathematics ( For Physics, Chemistry, Commerce, Literature, Economics, History, Zoology and Botany departments)	
<b>5. Annual/ semester/choice based credit system (programme wise)</b> Semester/choice based credit system	<ul style="list-style-type: none"> <li>• <b>B.Sc Mathematics (Main) – semester (CBCSS)</b></li> <li>• <b>M.Sc Mathematics (Main) - semester (CBCSS)</b></li> </ul>
<b>6. Participation of the department in the courses offered by other departments</b>	
<ul style="list-style-type: none"> <li>• Physics (Amateur Astronomy- Open course)</li> <li>• Chemistry (Environmental Chemistry Open course)</li> <li>• Botany (Biotechnology)</li> <li>• Zoology (Human Genetics, Nutrition, Community Health &amp; Sanitation)</li> <li>• Economics (Foundations of Environmental Economics)</li> <li>• History (Social Implications of Modern Revolutions)</li> <li>• English (English for Careers)</li> <li>• Commerce (Capital Market and Investment Management)</li> <li>• Physical Education (Physical Health and Life skill Education)</li> </ul>	
<b>Add-on courses</b>	
<ul style="list-style-type: none"> <li>• <b>First aid and Safety Education (Dept. of Physical Education)</b></li> <li>• <b>Computerized accounting (Dept. of Commerce)</b></li> <li>• <b>Communicative English (Dept. of English)</b></li> <li>• <b>Plant Tissue Culture (Dept. of Botany)</b></li> <li>• <b>Electronic Equipment maintenance (Dept of Chemistry)</b></li> <li>• <b>Diploma in Computer Application</b></li> <li>• <b>Additional Skill Acquisition Programme (N.S.S)</b></li> </ul>	
<b>7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil</b>	

8. Details of courses/programmes discontinued (if any) with reasons: No			
9. Number of teaching posts			
	Sanctioned	Filled	
Associate Professors	<b>Mathematics - 6</b> <b>Statistics - 2</b>	<b>Mathematics - 6</b> <b>(Permanent post – 6</b>	
Asst. Professors	<b>Mathematics - Nil</b> <b>Statistics - Nil</b>	<b>Mathematics - Nil</b> <b>Statistics – Nil</b>	
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)			
Name	Qualification	Designation	Specialization
Sri. M. C. Thomas	M.Sc., M.Phil.	Associate Professor,	Quasitriangular Hopf algebra
Sri. Baby Joseph	M.Sc	Associate Professor,	
Smt. Geetha Joseph	M.Sc.Ed	Associate Professor	
Smt. Rani John	M.Sc.	Associate Professor	
Dr. K. V. Alice	M.Sc., M.Phil, Ph.D.	Associate Professor	Differential Operators
Smt. Nancy Jacob	M.Sc., M.Phil., B.Ed	Associate Professor	Semigroups
Dr. K. J. John	M.Sc., M.Phil., Ph.D	Associate Professor	Statistics
Dr. Jane A. Luke	M.Sc., M.Phil., Ph.D., B.Ed., PGDCA	Associate Professor	Statistical Quality Control and Design of Experiments
11. List of senior visiting faculty			
<ul style="list-style-type: none"><li>• <b>Dr. T. Trivikraman (Mathematics, Kerala Mathematical Association, President)</b></li><li>• <b>Dr. Sunny K.Kuriakose (Mathematics, Kerala Mathematical Association, Academic Secretary)</b></li><li>• <b>Dr. K. K. Jose (Dept. of Statistics, Central University, Rajasthan)</b></li><li>• <b>Dr. Sebastian George (Dept. of Statistics, St. Thomas College, Pala)</b></li><li>• <b>Dr. Jayakumar (Dept. of Statistics, Calicut University)</b></li></ul>			
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 7 hours per week by guest faculty			

13. Student -Teacher Ratio (programme wise):	<b>20:1 (B.Sc) and 5:1 (M.Sc)</b>																														
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :	Nil																														
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:	<b>PG : 3, M.Phil : 2, Ph.D : 3</b>																														
16. Number of faculty with ongoing projects from National / International funding agencies and grants received:	a) National – 3 Minor Projects (University Grants Commission); <b>Total Grant : Rs:3,85,000</b> b) International - Nil																														
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:	<b>DST – FIST ( Rs : 90 lakhs for Physics, Chemistry &amp; Mathematics departments )</b>																														
18. Research Centre /facility recognized by the University:	Nil																														
19. Publications:	a) Publications by faculty *Number of papers published in peer reviewed journals (National /International) by faculty and students:																														
	<b>8 - Detailed List is given in SSR (International/National Publications are tabled in the Section 3.4.3 )</b>																														
20. Areas of consultancy and income generated:	<b>NIL.</b>																														
21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:	<b>NIL</b>																														
22. Student projects	a) Percentage of students who have done in-house projects including inter departmental/programme b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies																														
23. Awards / Recognitions received by faculty and students	<table border="1"> <thead> <tr> <th>Sl. No.</th><th>Name of the Faculty</th><th>Activity</th><th>Period</th></tr> </thead> <tbody> <tr> <td rowspan="3">1</td><td rowspan="3">Sri. M. C. Thomas</td><td>Chief Superintendent of university Examinations</td><td>2008 onwards</td></tr> <tr> <td>IQAC Coordinator</td><td>2010 onwards</td></tr> <tr> <td>Head, Department of Mathematics</td><td>2013 onwards</td></tr> <tr> <td rowspan="3">2</td><td rowspan="3">Sri. Baby Joseph</td><td>Road Safety Club Coordinator</td><td>2008 onwards</td></tr> <tr> <td>Deputy Chairman of B.Sc (VI Sem )</td><td>2014</td></tr> <tr> <td>Tourism Club Coordinator</td><td>2005-2008</td></tr> <tr> <td rowspan="3">3</td><td rowspan="3">Dr. K.V. Alice</td><td>Member, Post Graduate Mathematics Board of Studies Mahatma Gandhi University, Kottayam</td><td>June 2014 onwards</td></tr> <tr> <td>NSS Programme Officer</td><td>June 2010 onwards</td></tr> <tr> <td>Newman College N.S.S unit was selected as one of the best units in M.</td><td>2014-15</td></tr> </tbody> </table>			Sl. No.	Name of the Faculty	Activity	Period	1	Sri. M. C. Thomas	Chief Superintendent of university Examinations	2008 onwards	IQAC Coordinator	2010 onwards	Head, Department of Mathematics	2013 onwards	2	Sri. Baby Joseph	Road Safety Club Coordinator	2008 onwards	Deputy Chairman of B.Sc (VI Sem )	2014	Tourism Club Coordinator	2005-2008	3	Dr. K.V. Alice	Member, Post Graduate Mathematics Board of Studies Mahatma Gandhi University, Kottayam	June 2014 onwards	NSS Programme Officer	June 2010 onwards	Newman College N.S.S unit was selected as one of the best units in M.	2014-15
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		G. University	
		Best N.S.S Programme Officer award by D.M.O	2014
4	Smt. Geetha Joseph	Chairperson ,VI Sem B.Sc Mathematics university Examinations	2012
5	Smt. Nancy Jacob	Kerala Mathematical Association Life Long Membership	2003 onwards
		Chairperson of B. Sc Mathematics (Model II) University Examinations	2005 onwards
		Promoted as Associate professor	01-06-2012
6	Dr. Jane A Luke	Member, Post Graduate Statistics Board of Studies, Mahatma Gandhi University, Kottayam	2005-2010
		Women Empowerment Cell coordinator , Newman College, Thodupuzha	2004 onwards
		Kerala Statistical Association (KSA) Lifelong membership	2010 onwards
		Kerala Statistical Association (KSA) Executive Board Member	2012 onwards
		Awarded Ph.D.	on 4/ 06/ 2013
		Promoted as Associate professor	01-06-2012 onwards
Sl. No.	Name of the Student	Batch	Rank I/ II/ III
1	Geena Joy	MSc 2007-2009	II
2	Asha Chandran T.C	BSc 2007-2010	II
3	Minu Mary Joe	BSc 2008-2011	I
4	Deepalakshmi D	MSc 2011-2013	I
5	Minu Mary Joe	MSc 2011-2013	III
Sl.No	Name of the student	Achievements	Year
1	Deepalakshmi .D	Best N.C.C cadet award	2010
2	Abin Thomas	Principal's best student award	2014
3	Devika Ramesh	First prize with A Grade Kathaprasangam in M.G. Univers Youth Festival	2013
Sl. No.	Name of the Student	Batch	UGC/CSIR/JRF/ NET
1	Geena Joy	2007-2009	NET, JRF
2	Jency Joseph	2004-2006	NET-2010

3	Pratheesh C. Mathew	2003-2005	NET-2009		
4	Dary John	2008-2010	NET		
5	Bobin Goerge	2004-2006	NET-2009		
6	Jis Mary Jose	2009-2011	NET& JRF		
7	Neenu Susan Paul	2009-2011	NET		
8	Resmy Paulose	2008-2010	NET		
9	Anilkumar P.U	2009-2011	NET		
10	Tinjumol Mathew	B.Sc (2004-2007)	NET-2013		
24.List of eminent academicians and scientists / visitors to the department					
<ul style="list-style-type: none"><li>• <b>Dr. T. Trivikraman (Mathematics, Kerala Mathematical Association, President)</b></li><li>• <b>Dr. Sunny K.Kuriakose (Mathematics, Kerala Mathematical Association, Academic Secretary)</b></li><li>• <b>Dr. K. K. Jose (Dept. of Statistics, Central University, Rajasthan)</b></li><li>• <b>Dr. Sebastian George (Dept. of Statistics, St. Thomas College, Pala)</b></li><li>• <b>Dr. Jayakumar (Dept. of Statistics, Calicut University)</b></li></ul>					
25. Seminars/ Conferences/Workshops organized & the source of funding a)					
National - 8					
Sl. No.	Title of the Seminar	Dates,	Sponsoring Agency	Name of the Organising Secretary	Budget outlay
1	The Department of Statistics organized the Intercollegiate Mahatma Gandhi University level Quiz Competition in collaboration with Kerala Statistical Association	12 <sup>th</sup> December 2014	College	Dr. Jane A.Luke	Rs. 4000
2	The Department of Statistics organized a seminar on “ The Relevance of Statistics in the Contemporary World ”	12 <sup>th</sup> December 2014	College	Dr. Jane A Luke	Rs. 1000
3	The Department of Mathematics organized “ Dr. George Joseph Endowment “ All Kerala	March 4 <sup>th</sup> 2014.	College	Smt. Geetha Joseph	Rs: 3500

	intercollegiate Mathematics Quiz				
4	The Department of Statistics organized the National seminar "Advances in Statistical Theory and Computational Applications (ASTCA)"	29-30, August 2013	University Grants Commission	Dr. K. J. John	Rs. 1,50,000
5	National Seminar on Recent Trends in Fuzzy Mathematics and its Applications	September 22-23, 2011	University Grants Commission	Dr. K.V Alice	Rs. 1,00,000
6	The Department of Statistics organized a Seminar on Experimental Design AND Self Similarity	3 <sup>rd</sup> August, 2011	College		
7	The Department of Statistics organized the Intercollegiate Mahatma Gandhi University level Quiz Competition in collaboration with Kerala Statistical Association	16 <sup>th</sup> January 2010	College	Dr. K. J. John	Rs. 2000
8	The Department of Mathematics organised National Seminar on Mathematical Morphology and Digital Topology	13, 14 November 2014	University Grants Commission	Prof. Geetha Joseph	Rs. 1,50,000
25. Student profile programme/course wise:					

Name of the Course/programme (refer question no)	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
Applicable Mathematics	49	49			

27. Diversity of Students			
Name of the Course	% of students from the	% of students from other States	% of students
B.Sc	100%	Nil	Nil
M.Sc	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defense services, etc.?	
NET - 10	

29. Student progression	
Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil.	11%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	Nil
Employed • Campus selection • Other than campus recruitment	80%
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities	
a) Library - yes	
b) Internet facilities for Staff & Students - yes	
c) Class rooms with ICT facility - yes	
d) Laboratories - Nil	

31. Number of students receiving financial assistance from college, university, Government or other agencies	
1) Aassistance from college Golden Jubilee Endowment awards: The best outgoing student award : 2( in the year 2015 for U. G. & P. G )	
2) Prof. T. S. Chacko Endowment award: For the top scorer in Bsc Mathematics upto the fourth semester :	
3) Prof.K. Bhaskaran Nair award for the top scorer in II M.Sc Mathematics	
4) Assistance from university Nil	
5) Assistance from other agencies : 1	

Assistance from Government					
2014 -15	I BSc	II BSc	III BSc	IMSc	II Msc
K P C R	20	13	13	1	NIL

O B C	14	8	10	NIL	NIL
S C	3	4	3	1	NIL
S T	1	3	NIL	NIL	NIL
O E C	NIL	1	NIL	NIL	1
S E B C	NIL	NIL	NIL	6	2
F C	NIL	NIL	NIL	8	12
2013 -14	I BSc	II BSc	III BSc	IMSc	II Msc
K P C R	15	13	4	NIL	NIL
O B C	9	10	3	NIL	NIL
S C	4	3	3	NIL	1
S T	3	NIL	NIL	1	NIL
O E C	1	NIL	NIL	1	1
S E B C	NIL	NIL	NIL	2	3
F C	NIL	NIL	NIL	12	5
2012 -13	I BSc	II BSc	III BSc	IMSc	II Msc
K P C R	13	4	14	NIL	NIL
O B C	10	3	5	NIL	NIL
S C	3	3	1	1	1
S T	NIL	NIL	1	NIL	1
O E C	NIL	NIL	1	1	1
S E B C	NIL	NIL	NIL	3	4
F C	NIL	NIL	NIL	5	6
2011 -12	I BSc	II BSc	III BSc	IMSc	II Msc
K P C R	4	12	8	NIL	NIL
O B C	2	5	5	NIL	NIL
S C	3	1	3	2	NIL
S T	NIL	1	NIL	1	NIL
O E C	NIL	1	1	1	NIL
S E B C	NIL	NIL	2	4	5
F C	NIL	NIL	NIL	6	4
2010 -11	I BSc	II BSc	III BSc	IMSc	II Msc
K P C R	14	7	7	1	NIL
O B C	5	5	8	NIL	NIL
S C	1	3	2	NIL	2
S T	1	NIL	2	NIL	1
O E C	5	1	NIL	NIL	NIL
S E B C	NIL	2	1	5	2
F C	NIL	NIL	NIL	3	3
32. Details on student enrichment programmes (special lectures / workshops Seminar) with external experts					



Sl. No.	Title of the Seminar	Dates	Sponsoring Agency	Name of the Organising Secretary	Budget outlay
1	The Department of Statistics organized the Intercollegiate Mahatma Gandhi University level Quiz Competition in collaboration with Kerala Statistical Association	12 <sup>th</sup> December 2014	College	Dr. Jane A. Luke	Rs. 4000
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33. Teaching methods adopted to improve student learning-					

<ul style="list-style-type: none"> <li>• Remedial Classes</li> <li>• Seminars</li> <li>• Quiz competitions</li> <li>• Counseling</li> <li>• Net Coaching</li> <li>• Bank Coaching</li> <li>• P.S.C. Coaching</li> <li>• Career guidance Cell.</li> </ul>
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
<ul style="list-style-type: none"> <li>• Dr. George Joseph endowment intercollegiate Mathematics Quiz</li> <li>• N.S.S</li> <li>• N.C.C.</li> <li>• Women's Forum</li> <li>• Tuition for High School students</li> </ul>
35. SWOC analysis of the department and Future plans
<ul style="list-style-type: none"> <li>• Elevate the Department to a Research Centre.</li> <li>• To provide more library facilities</li> <li>• To improve infrastructural facilities of the department</li> <li>• To achieve 100% computer literacy</li> <li>• To provide coaching for various competitive examinations</li> <li>• To organize more seminars, workshops, debates</li> <li>• To introduce job oriented add on courses .</li> </ul>

1.Name of the department :		Commerce		
2.Year of Establishment :		1980		
3.Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :		<ul style="list-style-type: none"><li>• B. Com Taxation ( Aided)</li><li>• M.Com Finance (Aided)</li><li>• B.com Computer Application ( Un-aided)</li><li>• B.com Co-operation ( Un-aided)</li><li>• M.com Finance ( Un-aided)</li></ul>		
4.Names of Interdisciplinary courses and the departments/units involved:		Computerised accounting (Add on course)		
5.Annual/ semester/choice based credit system (programme wise):		B Com (CBCSS) M Com		
6.Participation of the department in the courses offered by other departments:				
7.Courses in collaboration with other universities, industries, foreign institutions, etc.:				
8.Details of courses/programmes discontinued (if any) with reasons:				
9.Number of Teaching posts:				
		Sanctioned	Filled	
Professors		Nil	Nil	
Associate Professors		3	3	
Asst. Professors		5	5	
Ad-hoc Faculty		Nil	6	
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)				
Name	Qualification	Designation	Specialization	No. of Years of Experience
Nancy Joseph	M.Com	Associate Professor	Banking	30
James Mathew	M.Com, PhD	Associate Professor	Finance	20
Benny K P	M.Com, LLB	Associate Professor	Law	24
A P Philip	M.Com, PhD	Associate Professor	Taxation	20
Prageesh C Mathew	M.Com, M.B.A, M.Ed	Asst. Professor	Finance	4

Sony Kuriakose	M.Com	Asst. Professor	Finance	3
Divya James	M.Com, M.Phil	Asst. Professor	Finance	2
Beena Deepti Louis	M.Com, M.Phil	Asst. Professor	Finance	2
Anitha Thomas	M.Com, M.Phil	Asst. Professor	Finance	1
Ms. Sobha Thomas	M.Com	Adhoc Faculty	Finance	2
Mr. Shibin Paul	M.Com	Adhoc Faculty	Finance	2
Ms. Jain Maria	M.Com	Adhoc Faculty	Finance	2
Ms. Rosmy T Jolly	M.Com	Adhoc Faculty	Finance	2
Ms Jyothi Parsarathy	MCA	Adhoc Faculty	Computer Science	2
Mr. Bijumon V M	M.com	Adhoc Faculty	Finance	4
Mr. Digo Josemon	M.com	Adhoc Faculty	Finance	4
11. List of senior visiting faculty:		Nil		
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty		B.Com - 10% M.Com - 10%		
13. Student - Teacher Ratio (programme wise):		B.Com - 45 : 1 M.Com - 6: 1		
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:		Nil		
15. Qualifications of teaching faculty with D.Sc/D.Litt/ Ph.D/MPhil /PG.:		James Mathew	M.Com, PhD	
		A P Philip	M.Com, Ph. D	
		Divya James	M.Com, M.Phil	
		Beena Deepti Louis	M.Com, M.Phil	
		Anitha Thomas	M.Com, M.Phil	

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:				
Sl. No.	Name of Principal Investigator	Title of the Project	Sponsoring Agency	Allotted Amount
1	Dr. A P Philip	Impacts of VAT	UGC	2,60,000
2	Benny K P	Entry of Corporates into Retailing	UGC	90,000
3	Lt. Prageesh C Mathew	Role of MNREGES in Rural Development	UGC	1,00,000
4	Sony Kuriakose	Fairness of Valuation and Valuation Determinants in Bank Mergers	UGC	1,40,000
5	Joy Mathew	Commodity Futures-A study with special reference to Rubber Traders in India	UGC	50,000
6	Dr. Johnson Varghese	A Study of investments in Public Sector Undertakings	UGC	40,000
7	Emmanuel A J	An Analytical Study of Micro Finance through SHGs in Kerala	UGC	90,000

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:	
18. Research Centre /facility recognized by the University :	Nil
19. Publications:	
a) Publication per faculty	
Number of papers published in peer reviewed journals (national / international) by faculty and students	
20. Published Research Papers	Detailed List is given in SSR (International/National Publications are tabled in the Section 3.4.3 )
21. Paper Presentations by Faculty	Detailed List is given in SSR (Paper presentations are tabled in the Section 2.4.3 (e))
Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	

• Monographs			
• Chapter in Books			
• Books Edited			
Name of the Faculty	Name of the Book	ISBN	Year
Dr. A P Philip	Capital Market and Investment Management	978-81-920969-1-2	2014
Dr. A P Philip	Financial Management Principles	97881920969-8-9	2014
Sony Kuriakose	Financial Management Principles	97881920969-8-9	2014
Dr. A P Philip	Financial Management Strategies	978-81-920969-8-8	2013
Sony Kuriakose	Financial Management Strategies	978-81-920969-8-8	2013
Dr. A P Philip	Indian Financial System	978-81-920969-1-3	2012
Dr. A P Philip	Financial Management	978-81-920969-1-2	2011
Sony Kuriakose	Financial Management	978-81-920969-1-2	2011
Dr. A P Philip	Principles of Insurance	978-81-920969-0-4	2011
Dr. A P Philip	Income Tax	978-81-920969-1-2	2010
Dr. A P Philip	Direct taxes Law & Practice	978-81-920969-1-9	2010
• Books with ISBN/ISSN numbers with details of publishers			
• Citation Index		Sony Kuriakose 15	
• SNIP			
• SJR			
• Impact factor -			
• h-index		Sony Kuriakose -1	

1. Areas of consultancy and income generated				
2. Faculty as members in a)National committees b) International Committees c) Editorial Boards....				
3. Student projects :				
Percentage of students who have done in-house projects including inter departmental /programme : <b>100%</b>				
Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 100%				
4.Awards / Recognitions received by faculty and students		<b>1. Sri. Sony Kuriakose won the TS Grewal Award for best paper instituted by Shaheed Bhagat Singh College, Delhi University in the year 2012.</b>		
5. List of eminent academicians and scientists / visitors to the department		<b>1. Dr. N Ramalingam , Professor, Gulati Institute of Taxation,</b> <b>2. Dr. P C Cyriac IA, former Chairman, Federal Bank</b> <b>3. Dr K V Thomas, Professor, St. Thomas College Palai, etc. ( eminent academicians visited the dept. are tabled in the Section 3.7.4)</b>		
6. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International				
<b>Title of the Seminar</b>	<b>Dates</b>	<b>Sponsoring Agency</b>	<b>Name of the Organising Secretary</b>	<b>Budget outlay</b>
National Seminar on Indian Capital and Commodity Markets - Emerging Issues	September 5-7, 2012	UGC	Dr. Johnson Varghese	1,30,000
Workshop on Research Methodology	August 2011	State Government	Dr. A P Philip	25,000
Career Guidance Seminars	19 <sup>th</sup> May 2012 18 <sup>th</sup> May 2013 17 <sup>th</sup> May 2014	College	Lt.Prageesh C.Mathew	15000, 16,000 and 17,500
Seminar on Entrepreneurship	August 2014	College	Prof. K P Benny	
National Level Seminar on Financial Planning for young investors	10-09-2013	SEBI	Lt.Prageesh C.Mathew	3000



Workshops on Group Discussion and Interview Skills	18-02-2012 16-02-2013 15-02-2014 01-03-2015	College	Lt.Prageesh C.Mathew	3000
Seminar on Human Rights	17-11-2014	College	Lt.Prageesh C.Mathew	3000
Seminar on National Security	24-02-2015	College	Lt. Prageesh C.Mathew	3000
One day Seminar on Union Budget 2014		College	Mr. Sony Kuriakose	10,000
New Companies Act 2013	12-02-2015	College	Dr. A P Philp	10,000

22. Student profile programme/course wise:			
Name of the Course/programme (refer question no. 4)	Applications received	Selected	Pass percentage
B. Com 2010-11	400	65	85.45
B. Com 2011-12	500	65	77.3
B. Com 2012-13	500	65	95
B. Com 2013-14	700	65	97
23. Diversity of Students		B.Com 100% of students from the same state M.Com 100% of students from the same state	
24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?		NET - 14	
25. Student progression:			
Higer Studies		Against % enrolled	
• UG to PG		25%	
• PG to M. Phil.		2%	
• PG to Ph.D.		1%	
• Ph.D. to Post-Doctoral		Nil	
Employed			

• Campus selection	<b>30</b>
• Other than campus recruitment	<b>200</b>
• Entrepreneurship/Self-employment	<b>40</b>
26. Details of Infrastructural facilities	
• Library	<b>Yes</b>
• Internet facilities for Staff & Students	<b>Yes</b>
• Class rooms with ICT facility -	<b>All class rooms</b>
• Laboratories -	<b>Nil</b>
27. Number of students receiving financial assistance from college, university, government or other agencies	<b>50%</b>
28. Details on student enrichment programmes (special lectures /workshops seminar) with external experts	<b>Conducts retreat and enrichment programmes for every batch</b>
29. Teaching methods adopted to improve student learning	<b>Lecturing with audio visual aids, seminars and projects with field work</b>
30. Participation in Institutional Social Responsibility (ISR) and Extension activities	<b>Nil</b>
31. SWOC analysis of the department and Future plans:	
Strength	
• The department has a highly committed and qualified team of teachers, vibrant and ambitious students and a highly cooperative and supportive management	
Weakness	
• The students community mainly belong to poor financial back ground	
• The ubiquitous phenomenon of talented students migrating to professional courses	
Opportunities	
• This is the best department for commerce in the district, so that the student community is very much interested in seeking admission to the commerce courses of the college.	
Future plans	
• Develop into a research department	

1. Name of the department		Economics and Political Science		
2. Year of Establishment		1967		
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :		UG, PG		
4. Names of Interdisciplinary courses and the departments/units involved:		Open Course		
5. Annual/ semester/choice based credit system (programme wise):		CBCSS (UG),PG (CSS)		
6. Participation of the department in the courses offered by other departments:		Open Course		
7. Courses in collaboration with other universities, industries, foreign institutions, etc. :		Nil		
8. Details of courses/programmes discontinued (if any) with reasons:		Nil		
9. Number of Teaching posts				
	Sanctioned	Filled		
Associate Professors	2	2		
Asst. Professors	3	3		
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)				
Name	Qualification	Designation	Specialization	No. of Years of Experience
Joy Joseph	MA, B.Ed	Associate Professor	Political Science	
Dr. T.M.Joseph	MA, M.Phill, Ph.D	Associate Professor	Political Science	
Jenni K Alex	MA, B.Ed	Assistant Professor	Macro Economics	7
Liji George	MA, B.Ed	Assistant Professor	Micro Economics	3
Xavier Kurian P	MA, B.Ed	Assistant Professor	Development Economics	2

11. List of senior visiting faculty :	<b>Nil</b>
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :	
13. Student -Teacher Ratio (programme wise):	<b>UG – 67:1, PG – 10:1</b>
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:	<b>Nil</b>
15. Qualifications of teaching faculty with DSc/ D.Litt / Ph.D/ MPhil / PG: PG, MPhil, Ph.D, D.Litt	
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	<b>One Minor Project (National)</b>
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:	<b>Nil</b>
18. Research Centre /facility recognized by the University:	<b>Nil</b>
19. Publications: a) Publication per faculty:	<b>Nil</b>
<ul style="list-style-type: none"> <li>• Number of papers published in peer reviewed journals (national / international) by faculty and students :Nil</li> </ul>	
<ul style="list-style-type: none"> <li>• Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)</li> </ul>	
<ul style="list-style-type: none"> <li>• Monographs:Nil</li> </ul>	
<ul style="list-style-type: none"> <li>• Chapter in Books:Nil</li> </ul>	
<ul style="list-style-type: none"> <li>• Books Edited:Nil</li> </ul>	
<ul style="list-style-type: none"> <li>• Books with ISBN/ISSN numbers with details of publisher : Nil</li> </ul>	
<ul style="list-style-type: none"> <li>• Citation Index:Nil</li> </ul>	
<ul style="list-style-type: none"> <li>• SNIP:Nil</li> </ul>	
<ul style="list-style-type: none"> <li>• SJR nil</li> </ul>	
<ul style="list-style-type: none"> <li>• Impact factor “</li> </ul>	
<ul style="list-style-type: none"> <li>• h-index ”</li> </ul>	
20. Areas of consultancy and income generated:	<b>Nil</b>
21. Faculty as members in	
a)National committees b) International Committees c) Editorial Boards:	<b>Nil</b>
22. Student projects	
a) Percentage of students who have done in-house projects including inter departmental/programme :	<b>Nil</b>
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies :	<b>Nil</b>

23. Awards / Recognitions received by faculty and students : Nil					
24. List of eminent academicians and scientists / visitors to the department:					
<ul style="list-style-type: none"> <li>• Dr Cyriac Thomas, Member, National Commission for Minority educational Institutions, New Delhi</li> <li>• Sri. Arun C Adatte, IES</li> <li>• Sri. P C Syriac IAS, Former additional chief secretary.</li> <li>• Sri. M. T .Ramesh, Social Activist</li> <li>• Dr.Mathew Kuzhalsadan., Social Activist</li> <li>• Dr. S Muralidharan, Maharajas College, Ernakulam.</li> </ul>					
25. Seminars/ Conferences/Workshops organized & the source of funding					
A) National ; 1) Cultural and Educational Rights of Minorities in Kerala: Challenges Ahead on 6/11/2014 2) Privatisation of Education and social Justice on 10/10/ 2014 B) State : 1) Two Day Workshop on Methodology of Social Sciences 22 <sup>nd</sup> and 23 <sup>rd</sup> August 2011					
26. Student profile programme/course wise:					
Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
	58	58	24	34	
*M = Male *F = Female					
27. Diversity of Students					
Name of the Course	% of students from the same	% of students from other States	% of students from abroad		
Economics	100	Nil	Nil		
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil					
29. Student progression					
Student progression			Against % enrolled		
UG to PG			30		
PG to M.Phil.					
PG to Ph.D.					
Ph.D. to Post-Doctoral					
Employed			30		
• Campus selection					
Entrepreneurship/Self-employment					

30. Details of Infrastructural facilities
a) Library- Common Library b) Internet facilities for Staff & Students; 1 computer with net facility c) Class rooms with ICT facility ; 2 classrooms d) Laboratories – Nil
31. Number of students receiving financial assistance from college, university, government or other agencies:
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts; Two National Seminars in association with Department of Political Science
33. Teaching methods adopted to improve student learning;-Assignments, Seminars, Demonstrations ,Video clippings, PP Presentations
34. Participation in Institutional Social Responsibility (ISR) and Extension activities; Friday Food Collection Activity
35. SWOC analysis of the department and Future plans
Paper Presentations (during the last five years)
1. Xavier Kurian P., FDI in Retail Sector' UGC Sponsored National Seminar on FDI in Multi-Retail Sector, Mar Athenesius College, Kothamangalam. ( March 7 <sup>th</sup> and 8 <sup>th</sup> , 2013)
2. Xavier Kurian P., Energy Crisis in India, UGC Sponsored National Seminar on India's Economic Growth-Energy- Services, K.E.college, Mannanam (August 20 and 21,2013)
3. Liji George, FDI in MBRT: Is it a decision at the right time? : An analysis., UGC sponsored seminar on FDI in MBRT in India – Issues and Challenges. M A College, Kothamangalam.( 7 <sup>th</sup> and 8 <sup>th</sup> March 2013)
4. Liji George, Climate change and gender marginalisation, UGC Sposored National Conference on Climate Change : Challenges and Strategies, Newman College, Thodupuzha(13 <sup>th</sup> ,14 <sup>th</sup> and 15 <sup>th</sup> February 2012)
5. Liji George, Desirability of goods and service tax: An analysis, UGC Sponsored seminar on GST, M A College, Kothamangalam(8 <sup>th</sup> and 9 <sup>th</sup> February 2012)
6. Jean Maria George, Sustainable Development in the contemporary Environmental Challenges, UGC Sponsored National Seminar on Sustainable Development, Newman College, Thodupuzha.( 27 <sup>th</sup> and 28 <sup>th</sup> November 2014)
7. Ratheesh E.R., Environmental Pollution and Urban SustainableDevelopment, UGC Sponsored National Seminar on Sustainable Development, Newman College, Thodupuzha.( 27 <sup>th</sup> and 28 <sup>th</sup> November 2014)
Attendance in Seminars/ Conferences/ Workshops attended (last Five years)

Sl. No.	Name of the Faculty	Name of the Seminar	Dates	Venue
1.	Xavier Kurian P.	UGC- National Seminar	September 6 <sup>th</sup> and 7 <sup>th</sup> , 2012	Newman College, Thodupuzha
2.	Xavier Kurian P.	UGC- National Seminar	November 15, 2012	St. Thomas College, Trissur
3.	Xavier Kurian P.	UGC- National Seminar	August 17, 2012	Newman College, Thodupuzha
4.	Liji George	UGC-National Seminar	April 17, 18 2013	Newman College, Thodupuzha
5	Liji George	Kerala State Higher Education Council	May 17,18 2013	
6	Liji George	UGC	July 6 2012	Newman College, Thodupuzha
7	Liji George	UGC Sponsored Seminar	29,30 2012	Newman College, Thodupuzha
8	Liji George	UGC Sponsored Seminar	February 24,25 2014	Newman College, Thodupuzha
9	Liji George	UGC Sponsored Seminar	August 16, 17 2012	Newman College, Thodupuzha
10	Liji George	Gulati Institute of Finance and Taxation		Nirmala College, Thodupuzha
11	Ratheesh E R	UGC Sponsored	November 27 <sup>th</sup> and 28 <sup>th</sup> 2014	Newman College, Thodupuzha
12	Ratheesh E R	UGC Sponsored	24 <sup>th</sup> and 25 <sup>th</sup> July 2014	Morning Star College, Angamaly
13	Ratheesh E R	UGC Sponsored		Newman College, Thodupuzha
14	Jean Maria George	UGC Sponsored	November 27 <sup>th</sup> and 28 <sup>th</sup> 2014	Newman College, Thodupuzha

1. Name of the department :	Zoology
2. Year of Establishment:	1967
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :	UG
4. Names of Interdisciplinary courses and the departments/units involved :	Nil
5. Annual/ semester/choice based credit system (programme wise):	CBCSS
6. Participation of the department in the courses offered by other departments:	Offered an open course titled: Human genetics, Nutrition, Community health and Sanitation.
7. Courses in collaboration with other universities, industries, foreign institutions, etc. :	Nil
8. Details of courses/programmes discontinued (if any) with reasons:	Nil
9. Number of Teaching posts	
	Sanctioned Filled
Associate Professors	3 3
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)	
	Name Qualification Designation Specialization
	Thampi Varghese MSc M.Phil Associate Professor Biochemistry
	Kochurani K.C MSc M.Phil Associate Professor Protozoology
	Laly Paul MSc M.Phil Associate Professor Entomology
11. List of senior visiting faculty :	Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :	Nil
13. Student -Teacher Ratio (programme wise):	U.G 1:45
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:	1
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:	M.Phil : 3
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:	Nil



17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:	<b>DST-FIST</b>
18. Research Centre /facility recognized by the University:	<b>Nil</b>
19. Publications:	
a) Publication per faculty:	<b>Nil</b>
Number of papers published in peer reviewed journals (national / international) by faculty and students :	<b>Nil</b>
Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
Monographs:	<b>Nil</b>
Chapter in Books:	<b>Nil</b>
Books Edited:	<b>Nil</b>
Books with ISBN/ISSN numbers with details of publisher :	<b>Nil</b>
Citation Index:	<b>Nil</b>
SNIP :	<b>Nil</b>
SJR :	<b>Nil</b>
Impact factor :	<b>Nil</b>
h-index :	<b>Nil</b>
20. Areas of consultancy and income generated:	<b>Nil</b>
21. Faculty as members in	
a) National committees b) International Committees c) Editorial Boards:	<b>Nil</b>
22. Student projects	
a) Percentage of students who have done in-house projects including inter departmental/programme :	<b>Nil</b>
b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies :	<b>Nil</b>
23. Awards / Recognitions received by faculty and students	
24. List of eminent academicians and scientists / visitors to the department	
• Dr Jacob John Kattakayam UGC Emeritus Professor, University of Kerala.	
• Dr. Shaju Thomas, Associate, Professor, Nirmala College, Muvattupuzha.	
• Dr.Gigi K Joseph, Assistant Professor, Nirmala College Muvattupuzha.	
• Dr.Oommen V Oommen Chairman Kerala. State Biodiversity Board.	
• Dr Sajan K Jose, Associate Professor, St.Josephs College Moolamattom.	
• Dr.P.K Gopalakrishnan, Member Animal Welfare Board of India.	

<ul style="list-style-type: none"> <li>Sri.M.N Jayachandran, Society for Prevention of Cruelty against Animals Idukki.</li> </ul>					
<ul style="list-style-type: none"> <li>Dr T V Sajeev Scientist Ketala Forest Research Institute.</li> </ul>					
<ul style="list-style-type: none"> <li>Dr B Madhusoodana Kurup Vice Chancellor, Kerala University of Fisheries and Oceanic Studies.</li> </ul>					
<ul style="list-style-type: none"> <li>Dr KK Vijayan, Director Central Institute of Brackish Water Aquaculture.</li> </ul>					
<ul style="list-style-type: none"> <li>Dr. KK Ramachandran. Member secretary, Kerala State Council for Science Technology &amp; Environment.</li> </ul>					
<ul style="list-style-type: none"> <li>Dr. P.U.Zacharia, Principal Scientist &amp; Head, Demersal Fisheries Division CMFRI, Kochi.</li> </ul>					
25. Seminars/ Conferences / Workshops organized & the source of funding					
Sl No	Title of the Seminar	State Level /National	Date	Source of funding	Key Resource Person
1	Fish processing & preservation	State	11/6/09	Dept of Zoology	Dr.Santhosh NK, University of Kenya
2	Biodiversity & sustainable development	state	22/1/10	Newman college	Dr.Shaju Thomas, Nirmala college, MVPA. Dr.Punnen Kurien, St Mary's College, Manarcad
3	Stingless bee keeping	State	20/9/11	Newman college	Dr.Sajan K Jose St.Joseph college Moolamattom
4	Animal Rights & laws in India	State	22/10/11	Dept.of Zoology	Adv.Shiji Joseph Lawyer, Painav
5	Life style diseases	State	3/4/12	Newman college	Dr Jose George, Dept of Community Medicine. Medical College Kottayam

6	Animal Ethics in Kerala Scenario	State	30/1/13	Animal welfare board of India	Dr. PK Gopalakrishnan memb.AWBI Sri M N.Jayachandran Secretary,SPCA Idukki Dr.T V.Sajeeve Scientist,KFRI Dr .Gigi K Joseph Dept of Zoology Nirmala College, Muvattupuzha
7	Biodiversity of Western Ghats-issues & concerns	State	7/12/14	Newman college	Dr. Oommen. V Oommen Chairman Kerala State Biodiversity Board
8	Fisheries& Aquaculture Prospects in Kerala	National	3/12/14	Newman college	Dr B.Madhusoodhana Kurup V C KUFOS Dr.K K Vijayan, Director,CIBA Dr. K K Ramachandran, member secretary, KSCSTE. Dr.P U Zacharia Scientist. CMFRI
26. Student profile programme/course wise:					
Name of the Course/programme (refer question no. 4)	Application received under management quota alone 2013	Selected	Enrolled		Pass percentage
			M	F	
B.Sc Zoology	78	12	4	8	

27. Diversity of Students		
Name of the Course : BSc		100% of students from the same state
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?		Two-NET
29. Student progression		
Student progression	Against % enrolled	
UG to PG	10	
Employed		
• Campus selection	2	
• Other than campus recruitment	28	
Entrepreneurship/Self-employment	2	
30. Details of Infrastructural facilities		
a) Library		
b) Internet facilities for Staff & Students ; computers with net facility		2
c) Class rooms with ICT facility ;		Nil
d) Laboratories		
Microscope-58, cameralucida-15, kymograph-1, micrometer -13, pH meter-1, Autoclave-1, Hot air oven -1, BOD incubator-1, Laminarflow-1, Centrifuge-1, Colorimeter-1, Turbiditymeter-1, Water quality analyzer-1, Microscope with digitalcamera-1, Test tube shaker-1, water bath-1, Haemometer-17, Haemocytometer -13.		
31. Number of students receiving financial assistance from college, university, government or other agencies		17
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts;		
1) Career guidance class by Sri.P.R Venkitaraman Career consultant.		
2) Motivation and inspiration' by Prof .K C Joseph		
33. Teaching methods adopted to improve student learning;-		
Assignments, seminars, demonstrations ,video clippings, visiting places of ecological importance for an interaction with nature, field study to understand the applications of biosciences.		
34. Participation in Institutional Social Responsibility (ISR) and Extension		
Activities, Community level Biodiversity Assessment Project in collaboration with TIES Kottayam-11/10/2014		
35. SWOC analysis of the department and Future plans		

Starting P.G course
Modernisation of Laboratory
Accquiring a LCD Projector
Starting a bee garden
An Add on course on Ornamental Fish breeding & Aquarium management

1. Name of the department:	BOTANY	
2. Year of Establishment:	1964	
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):	U G (B.Sc. Botany Model II Course)	
4. Names of Interdisciplinary courses and the departments/units involved:	Open course – Bio-technology Add-on course- Plant Tissue Culture	
5. Annual/ /choice based credit system (programme wise):	Choice Based Credit and Semester System for BSc.	
6. Participation of the department in the courses offered by other departments: Complementary Course Botany for B.Sc Zoology Open Course Biotechnology for all the V Semester students in all other departments Add-on Certificate Course in Plant Tissue Culture for any student in the College		
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:		Nil
8. Details of courses/programmes discontinued (if any) with reasons:		Nil
9. Number of teaching posts		
	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	2	2
Asst. Professors	2	2
Guest faculty		2
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)		

Name	Qualification	Designation	Specialization	No. of Years of
Leena John	M.Sc, M.Phil, Ph.D.	Associate professor	Palynology	22
Stephen Joseph	M.Sc, M.Phil, Ph.D.	Associate professor	Population genetics	21
Saju Abraham	M.Sc. Ph.D.	Assistant Professor	Ethnobotany and Biotechnology	4
Sindhu Rachel Joy	M.Sc.	Assistant Professor		4
Parvathy S	M.Sc. Certificate course in Bioinformatics	Guest faculty		4
Ashna Thampi	M.Sc.	Guest faculty		1
11. List of senior visiting faculty:				<b>Nil</b>
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:				<b>33 %</b>
13. Student -Teacher Ratio (programme wise):				<b>86:6 in UG</b>
13. Number of academic support staff (technical) and administrative staff; sanctioned and filled:				<b>One sanctioned &amp; One filled</b>
14. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D./ M.Phil. / PG:				<b>Ph.D. - 3, M.Phil.- 2, PG- 6</b>
15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:				<b>Nil</b>
16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:				<b>Nil</b>
18. Research Centre /facility recognized by the University:				<b>Nil</b>
19. Publications:				
a) Publication per faculty: Dr. Leena John – 3 Detailed List is given in SSR (International/National Publications are tabled in the Section 3.4.3 )				
<ul style="list-style-type: none"> <li>Leena John &amp; Kuriakose M.E.2011. Pollen morphological studies on the South Indian Lythraceae. Phytomorphology. 61 (3&amp;4): Pp.101-106.</li> <li>Leena John &amp; Kuriakose M.E.2012. A pollen morphological analysis of South Indian Lecythidaceae. International Journal of Current Research Vol.4, Issue : 6.Pp.4-7</li> <li>Leena John &amp; Kuriakose M.E. 2014. Some interesting palynological features</li> </ul>				

of South Indian Onagraceae". Phytomorphology.64(3&4):Pp. 101-105		
* Number of papers published in peer reviewed journals (national /international) by faculty and students		
* Number of publications listed in International Database (For Eg:Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)- Nil		
•	Monographs	Nil
•	Chapter in Books	Nil
•	Books Edited	Nil
•	Books with ISBN/ISSN numbers with details of publishers	Nil
•	Citation Index	Nil
•	SNIP	Nil
•	SJR	Nil
•	Impact factor	Nil
•	h-index	Nil
20. Areas of consultancy and income generated: Nil		
21. Faculty as members in a)National committees b) International Committees c) Editorial Boards: Nil		
22. Student projects		
a) Percentage of students who have done in-house projects including inter departmental/programme: Assistance given to M.Sc. Chemistry students for project work		
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: The students are undergoing job training in institutions like Unibiosys, Kalamassery / Nagarjuna Herbal Concentrates, Thodupuzha / S.H. College Thevara		
23. Awards / Recognitions received by faculty and students:		
Awards / Recognitions received by faculty		
Sl. No.	Faculty	Description of the award/ recognition
1.	Dr. Leena John	Awarded Ph.D. on the topic "Palynological studies of the South Indian Myrtales" from School of Environmental Sciences, M.G.University, Kottayam on 14/02/2014
2.	Dr. Stephen Joseph	National Executive Council Member of the Society of Cytologists and Geneticists
3.	Dr. Stephen Joseph	Life Member, Society for Biotechnologies, India
4.	Dr. Stephen Joseph	Secretary, Institute for National Integration and religious Harmony, TVM
5.	Dr. Saju Abraham	Best NSS Programme officer of M.G. University during 2012-2013, 2013-2014
		Nominated to technical advisory committee as the

		member of Biodiversity Board, Idukki
		Selection committee member of Nehru Yuva Kendra for the selection of best youth club
6.	Ms. Sindhu Rahchel Joy	Question paper setter for Kerala University Degree Examinations, Plant Anatomy Paper 2012
Awards Received by Students		
Academic Achievements		
	1. Aswathy Udayan-	III Rank in BSc. Botany-2011
	2. Elizabeth Varghese-	I Rank in BSc. Botany -2013
	3. Saranya M. Shaji	II Rank BSc. Botany -2013
Sports Competitions		
Dickson Baby (II BSc. Botany 2013) - secured Gold Medal in the MG University Intercollegiate Taekwondo Competition, 2013- 2014		
24. List of eminent academicians and scientists / visitors to the department:		
<ul style="list-style-type: none"> <li>• Dr. Baby Joseph, (Manager, Pharmacology, Nagarjuna Herbal Concentrates)</li> <li>• Dr. C. Kunhikkannan, (Scientist, IFGTB. Coimbatore),</li> <li>• Dr. Joy P. Joseph (President, Kerala Botanical Society),</li> <li>• Dr. Prithipal Singh (Kirorimal College, University of Delhi, Delhi)</li> <li>• Dr. Gracy Mathew (Aromatic and Medicinal Plants Research Station, Odakkali),</li> <li>• Mr. Salvy Thomas (S. B. College, Changanacherry)</li> <li>• Dr. M. Balasundaran (Retd. HOD, Biotechnology &amp; Genetics Division, Kerala Forest Research Institute)</li> <li>• Dr. Rameshkumar K. B. (TBGRI, Palode, Thiruvananthapuram)</li> <li>• Dr. Biju H. (TBGRI, Palode, Thiruvananthapuram),</li> <li>• Dr. Santhosh Kumar E.S. (TBGRI, Palode, Thiruvananthapuram), Prof. Kochuthresia Thomas (Member, Idukki District Child Welfare Committee),</li> <li>• Sri. Sabu M. Simon (Senior Programme Officer, PDS),</li> <li>• Dr. C. M. Joy (Dept. of Botany S. H. College Thevara),</li> <li>• Dr. Jagdish Krishnaswamy (Convenor &amp; Senior Fellow ATREE, Bangalore),</li> <li>• Dr. A. R. R. Menon (Rtd. Scientist, KFRI, Peechi)</li> <li>• Sri. C. R. Neelakandan (Environmental activist)</li> <li>• Adv. Harish Vasudevan (High Court of Kerala),</li> <li>• Dr. S. Bijoy Nandan (Associate Professor, School of Marine Sciences, CUSAT),</li> <li>• Dr. Ratheeshkumar T. (Post Doctoral Fellow, Department of Molecular Biology, University of Geneva),</li> <li>• Mr. Ignatius Antony (Advocate &amp; Associate Professor, Dept. of Botany, St. Thomas College, Thrissur),</li> <li>• Dr. Jomy Augustine (Head, Department of Botany, St. Thomas College, Pala),</li> <li>• Dr. M. E. Kuriakose (Principal, K.G. College Pampady),</li> <li>• Dr. Benny Jacob (Head, Dept. of Botany, M. A. College, Kothamangalam),</li> <li>• Dr. Gigi K. Joseph (Assistant Professor, Dept. of Zoology, Nirmala College,</li> </ul>		



Muvattupuzha), <ul style="list-style-type: none"><li>Dr. Alexis Jourdain (Post Doctoral Fellow,Department of Molecular Biology, University of Geneva).</li></ul>						
25. Seminars/ Conferences/Workshops organized & the source of funding						
Sl. No	Title of the Seminar	Dates	Sponsoring Agency	Name of the Organising Secretary	Budget outlay	
5.	National Seminar on Conservation &Sustainable Utilization of Redlisted Medicinal Plants of Western Ghats of India	Sep. 02 - 03, 2010	UGC	Dr. Stephen Joseph	Rs. 121250	
6.	Seminar on Bioconservation	3/2/2010	College	Smt. Biniamma Abraham	Rs. 2000	
7.	National Seminar on Environmental Impact Assessment	27-28 Nov. 2014	UGC	Ms. Sindhu Rachel Joy	Rs.1,45,000	
8.	Seminar on ‘Modern Trends in Organic Farming’ in association with PDS	23 August 2011	College	Dr. Saju Abraham	Rs.3000	
9.	Seminar on ‘Environment Hazards of Plastic: Search for Alternatives’	22 March 2012	KSCSTE	Ms. Sindhu Rachel Joy	Rs.20000	
26. Student profile programme/course wise:						
Name of the Course/programme (refer question no.		Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
Open Course: Biotechnology		32	27	4	23	100%
Add on course: Plant Tissue culture		30	20	0	20	Ongoing
*M = Male *F = Female						
27. Diversity of Students: NIL						
Name of the		% of students	% of students from		% of students	

B.Sc. Botany	100%	Nil	Nil		
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?			<b>NET -5 JRF-4</b>		
29. Student progression					
Student progression		Against % enrolled			
UG to PG		25%			
PG to M.Phil.		NA			
P.G. to Ph.D.		NA			
Ph.D. to Post-Doctoral		NA			
Employed					
• Campus selection		Nil			
• Other than campus recruitment		70%			
Entrepreneurship/Self-employment		20%			
30. Details of Infrastructural facilities					
a) Library: one department library with 285 books					
b) Internet facilities for Staff & Students: Two computers with broad band internet facility. The department is wi-fi enabled					
c) Class rooms with ICT facility : Whenever required we share the common ICT facility available in the college					
d) Laboratories : Three					
The laboratories are provided with all the necessary equipments along with glass wares. The ‘Botany Laboratory’ is provided with Charts, Models, Plant Specimens, Permanent Slides, Camera Lucida, Multiple copies of Dissecting and Compound Microscopes, a Binocular Research Microscope, Microtome etc. The Biotechnology Laboratory is equipped with Autoclave, Hot Air Oven, Laminar Air Flow, Electronic Balance, Colorimeter, Centrifuge, pH Meter, Shaker, UV- transilluminator, Water bath etc. Microbiology Laboratory with instruments like Refrigerator, Inoculation hood, Incubator, Centrifuge etc is also functioning under this department.					
31. Number of students receiving financial assistance from College, University, Government or other agencies					
Class	No. of Students (SC,ST, OEC, OBC, KPCR) who get financial Assistance from Government				
	2009-10	2010-2011	2011-12	2012-13	2013-14
III Botany	17	14	14	14	12
II Botany	15	14	15	14	21
I Botany	16	17	15	22	18
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
Special lectures are organized for students to provide information on current topics and also on issues of National and international significance. The list of enrichment programmes are as follows					

	<ul style="list-style-type: none"> <li>• Seminar on 'Modern Trends in Organic Farming' in association with Peerumede Development society on 23 August 2011</li> <li>• Seminar on 'Environment Hazards of Plastic: Search for Alternatives', supported by KSCSTE on 22 March 2012</li> <li>• Invited talk on Adolescence – an age of formation by Prof. Kochuthresia Joseph on 17/01/2011</li> <li>• Invited lecture on Prospects of Cell and Molecular Biology by Dr. Alexis Jourdain &amp; Dr. Ratheesh Kumar T. (University of Geneva) on 13/01/2015</li> <li>• Seminar on Bioconservation by Dr. Baby Joseph on 03/02/2010</li> </ul>
33.	Teaching methods adopted to improve student learning:
	<ul style="list-style-type: none"> <li>• Black board teaching with teaching aids like charts, Models, etc.</li> <li>• Using OHP</li> <li>• Power point presentation on some topics</li> <li>• Separate sessions after teaching for questions and discussion</li> <li>• Topics given to students for assignments</li> <li>• Class test/ surprise test taken frequently to evaluate students</li> <li>• Remedial teaching for slow learners</li> <li>• Solving question papers, to familiarize the pattern of questions</li> <li>• Field trips and visits to research centers</li> <li>• The students of all the classes are encouraged to attend the special lectures and seminars conducted by the department</li> <li>• Teachers also meet the parents periodically to review student's progress</li> </ul>
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:
	<ol style="list-style-type: none"> <li>1) Nature camp participation in association with State forest department</li> <li>2) Participated in plastic free campaign in campus and outside the campus</li> <li>3) Seed distribution activities in association with National Service scheme</li> <li>4) Sapling distribution with the participation of National Service Scheme</li> <li>5) Sapling distribution of Bamboo in association with NSS and Kerala Forest Department</li> <li>6) Karshaka Sangamam (Farmer's Meet) in Golden Jubilee year</li> <li>7) Biodiversity conservation programme for school students (I Love my Planet) in association with Department of Physics and KSCSTE</li> <li>8) Quiz competition for Higher Secondary School students in association with KSCSTE</li> <li>9) Seminar on ill effects of plastic in association with KSCSTE (Dr. C.M Joy)</li> <li>10) Assisting school students for preparing science projects for State Science Congress from 2012 onwards.</li> <li>11) Training for School Teachers in Biotechnology by Biotechnology wing under the auspicious of DPEP, IDUKKI</li> <li>12) As a part of Clean Kerala mission students attended a clean campus mission in nearby Ayurveda Hospital and cleaned the premises.</li> <li>13) A nature club which is named as Bhoomithrasena comprising all the Botany students attended nature camps in Vallakkadavu in 2013</li> </ol>

December and in Chinnar in the year 2015 February.
<ul style="list-style-type: none"> <li>• In 2012 three students from St. Thomas School Thudanganadu have done project work in microbes in termite heaves.</li> <li>• In 2013 three students from St. Thomas School Thudanganadu have done project work in soil nutrient analysis in polluted areas and they have got national selection for the same</li> <li>• In 2014 three students from St. Thomas School Thudanganadu have done project work in the field of photosynthesis rate of plants under different polluted environment.</li> </ul>
35. SWOC analysis of the department and Future plans
Strengths:
<ul style="list-style-type: none"> <li>▪ The department obtains feedback from the faculty on curriculum as well as teaching-learning-evaluation constantly.</li> <li>▪ The department has constant faculty meetings and reviews the curriculum and various activities</li> <li>• Well equipped laboratory</li> <li>• The departmental museum has numerous exhibits depicting plant specimens from diverse habitats.</li> <li>• The Department has acquired a number of modern instruments</li> </ul>
Weaknesses:
<ul style="list-style-type: none"> <li>• Lack of research oriented work</li> <li>• Lack of sufficient research publications</li> </ul>
Opportunities:
<ul style="list-style-type: none"> <li>• Certificate course in Plant Tissue Culture</li> <li>• Naming and identification of various plants in different organizations</li> <li>• The students are encouraged to participate in extracurricular activities and extension activities besides academics.</li> <li>• Students take up Job oriented project</li> <li>• Motivating students to appear for competitive examinations</li> </ul>
Challenges:
<ul style="list-style-type: none"> <li>• To introduce more Job oriented courses to open better job ventures for outgoing students</li> <li>• More research oriented teaching</li> </ul>
Future plans of the department
<ul style="list-style-type: none"> <li>• Addition of advanced equipments in practical labs</li> <li>• Up-gradation of Museum, Herbarium &amp; Botanical Garden</li> <li>• Subscribe for more National and International journals</li> <li>• Submit proposals to funding agencies to implement new research projects</li> <li>• To encourage subject knowledge the department will conduct intercollegiate Botany quiz competition every year</li> <li>• Department aims at starting post-graduation course in Botany in near future</li> </ul>

1. Name of the department		History	
2. Year of Establishment		1964	
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :		UG	
4. Names of Interdisciplinary courses and the departments /units involved :		Nil	
5. Annual / semester /choice based credit system (programme wise):		CBCSS	
6. Participation of the department in the courses offered by other departments :		Open Course	
7. Courses in collaboration with other universities, industries, foreign institutions, etc. :		Nil	
8. Details of courses/programmes discontinued (if any) with reasons:		Nil	
9. Number of Teaching posts			
		Sanctioned	Filled
Associate Professors		1	1
Asst. Professors		2	2
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)			
Name	Qualification	Designation	Specialization
Benny K A	MA, M.Phil, DTA	Associate Professor	History
Krishnakumar MV	MA, M.Phil, PhD	Assistant Professor	History
Joby Thomas	MA, B.Ed, SET, NET	Assistant Professor	History
11. List of senior visiting faculty :		Nil	
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty :		Nil	
13. Student -Teacher Ratio (programme wise):			
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:			
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:		Ph.D – 1, M.Phil-1	
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants		1 (UGC)	

received :	
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:	<b>UGC-MRP, 6 Lakhs Received</b>
18. Research Centre /facility recognized by the University:	<b>Nil</b>
19. Publications: Separate sheet attached	
* Publication per faculty:	
* Number of papers published in peer reviewed journals(national /international) by faculty and students	<b>2- Detailed List is given in SSR (International/National Publications are tabled in the Section 3.4.3 )</b>
* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
Monographs:	
Chapter in Books:	
Books Edited:	
Books with ISBN/ISSN numbers with details of publisher :	
Citation Index:	
SNIP:	
SJR:	
Impact factor:	
* h-index :	
20. Areas of consultancy and income generated :	<b>Nil</b>
21. Faculty as members in a)National committees b) International Committees c) Editorial Boards	
22. Student projects	
a)Percentage of students who have done in-house projects including inter departmental/programme :	
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies :	
23. Awards / Recognitions received by faculty and students	
24. List of eminent academicians and scientists / visitors to the department	
1. Prof. Aditya Mukherjee, Centre for Historical Studies, Jawaharlal Nehru University, New Delhi	
2. Dr. V.S Vijayan, Chairman, Salim Ali Foundation, Kerala	
3. Prof. K.V Kunhikrishnan, Former Registrar, CUSAT, Kochi.	
4. Sri. Neelakandan Namboothiri, Renowned environmental activist, Kerala	
5. Dr. Santosh Kumar Malua, Ravenshaw University, Cuttak	
25. Seminars/ Conferences/Workshops organized & the source of funding	
a) National :	<b>One (UGC)</b>
b) International:	<b>Nil</b>
26. Student profile programme/course wise:	

Applications received	Selected	Enrolled		Pass percentage
		Male	Female	
51	51	16	31	
Name of the Course/programme (refer question no. 4)				
Social Implications of Modern Revolutions				
27. Diversity of Students, Name of the Course :			BA History 100% of students from the same state	
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?			Nil	
29. Student progression			Against % enrolled	
UG to PG			4	
Employed <ul style="list-style-type: none"><li>• Campus selection</li><li>• Other than campus recruitment</li></ul>			Nil One (Air force)	
30. Details of Infrastructural facilities				
a) Library			Common Library	
b) Internet facilities for Staff & Students			Library and Department	
c) Class rooms with ICT facility			Common	
d) Laboratories			NA	
31. Number of students receiving financial assistance from college, university.				
32. Details on student enrichment programmes (special lectures / workshops /seminar)			One National Seminar	
33. Teaching methods adopted to improve student learning			Conventional and Doubt Clearing Method	
34. Participation in Institutional Social Responsibility (ISR) and Extension activities			Encouraged students for charity works	
35. SWOC analysis of the department and Future plans				
Research papers				
1. Krishnakumar M.V, “Development or Despoilation? Andaman Islands in Colonial and Post Colonial Regimes”, Shima: International Journal of Research into Island Cultures, Vol 3, No.2, 2009.				
2. Krishnakumar M.V, “Political Ecology of Forestry in the Andaman Islands” published in Indian Environmental Issues: Lessons from the History, (Seminar Proceedings), 2013.				
3. Krishnakumar M.V,”Imperial Forestry: Ambiguities and Contradiction”, published in themes and issues in the Environmental History of India.				
4. Krishnakumar M.V,”Imperial Forestry: Ambiguities and Contradiction”, published in themes and issues in the Environmental History of India.				

1. Name of the department :		Malayalam & Hindi		
2. Year of Establishment :		2014		
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :		UG		
4. Names of Interdisciplinary courses and the departments/units involved		N.A		
5. Annual/ semester/choice based credit system (programme wise):		Semester		
6. Participation of the department in the courses offered by other departments				
7. Courses in collaboration with other universities, industries, foreign institutions, etc				
8. Details of courses/programmes discontinued (if any) with reasons:				
9. Number of Teaching posts				
	Sanctioned	Filled		
Asso. Professors	02	02		
Asst. Professors	02	02		
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)				
Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr Sasidharan Nair	M.A, Ph.D	Asso. Prof.	Short Story	32
Laly Thomas	M.A	Asso. Prof.	Short Story	26
Dr. Fr. Raju Jacob	M.A, B.Ed., Ph.D., NET	Asst. Prof.	Poetry	08
Fr. Justin K Kuriakose	M.A., B.Ed., M.Phil, NET	Asst. Prof.	Novel	01
11. List of senior visiting faculty				
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty				



13. Student -Teacher Ratio (programme wise):	24 : 2
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled	
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:	<b>Ph.D. – 2, M.Phil -1. PG-1</b>
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	<b>Minor Project RS. 90000/-</b>
18. Research Centre /facility recognized by the University	
19. Publications:	
• a) Publication per faculty	
• Number of papers published in peer reviewed journals (national /international) by faculty and students	
• Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
• Monographs	
• Chapter in Books	
• Books Edited : <b>Contemporary Education: Christian Perspectives</b>	
• Books with ISBN/ISSN numbers with details of publisher	
• Citation Index	
• SNIP	
• SJR	
• Impact factor	
• h-index	
20. Areas of consultancy and income generated	
21. Faculty as members in a) National committees b) International Committees c) Editorial Boards...	
22. Student projects	
• Percentage of students who have done in-house projects including interdepartmental/ programme • Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	
23. Awards / Recognitions received by faculty and students	
24. List of eminent academicians and scientists / visitors to the department	

1. Sri. Perumpadavam Sreedharan 2. Prof. Puthussery Ramachandran 3. Prof. O. Balachandran 4. Dr. Harikumar Changampuzha 5. Prof. Muhammed Ahemmad					
25. Seminars/ Conferences/Workshops organized & the source of funding a) National :					
UGC National Seminar on Folklore and Cultural Assertion” 2012 Sept. 24-25					
b) International					
26. Student profile programme/course wise:					
Name of the Course/programme (refer question no. 4)	Applica-tions received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A Malayalam (2014)	56	24	03	21	-
*M = Male *F = Female					
27. Diversity of Students					
Name of the Course	% of students from the same	% of students from other	% of students		
BA Malayalam	100	Nil	Nil		
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NA					
29. Student progression : NA					
30. Details of Infrastructural facilities					
a) Library <input checked="" type="checkbox"/> b) Internet facilities for Staff & Students <input checked="" type="checkbox"/> c) Class rooms with ICT facility d) Laboratories <input checked="" type="checkbox"/>					
31. Number of students receiving financial assistance from college, university, government or other agencies					
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
33. Teaching methods adopted to improve student learning					
34. Participation in Institutional Social Responsibility (ISR) and Extension activities					
35. SWOC analysis of the department and Future plans					

1. Name of the department :	Physical Education			
2. Year of Establishment :	1964			
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :	UG			
Common Oriented Certificate Course in First Aid and Safety Education				
4. Names of Interdisciplinary courses and the departments/units involved	Open Course in Physical Education			
5. Annual/ semester/choice based credit system (programme wise):	Semester			
6. Participation of the department in the courses offered by other departments				
7. Courses in collaboration with other universities, industries, foreign institutions, etc				
8. Details of courses/programmes discontinued (if any) with reasons:				
9. Number of Teaching posts				
	Sanctioned	Filled		
Associate Professors	02	02		
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)				
Name	Qualification	Designation	Specialization	No. of Years of Experience
Benny Mathew	MPE, M.Phil	Asso. Prof	Volleyball	18
Dr. Thomson Joseph	MPed., M.Phil., Ph.D.	Asso. Prof	Athletics	20
11. List of senior visiting faculty				
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty				
13. Student -Teacher Ratio (programme wise):				24 : 2
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled				
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG				Ph.D. – 1, M.Phil -1
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received				
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received :				

<b>UGC - 5 Lakhs – Sports Equipments</b> <b>70 lakhs – Indoor Stadium</b> <b>10 lakh – Add on course</b>	
18. Research Centre /facility recognized by the University	
19. Publications:	
• a) Publication per faculty	
• Number of papers published in peer reviewed journals (national /international) by faculty and students	
• Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
<ul style="list-style-type: none"> <li>• Monographs</li> <li>• Chapter in Books</li> <li>• Books Edited :</li> <li>• Books with ISBN/ISSN numbers with details of publisher</li> <li>• Citation Index</li> <li>• SNIP</li> <li>• SJR</li> <li>• Impact factor</li> <li>• h-index</li> </ul>	
20. Areas of consultancy and income generated	
21. Faculty as members in	
a) National committees b) International Committees c) Editorial Boards...	
22. Student projects	
a) Percentage of students who have done in-house projects including inter departmental/ programme	
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	
23. Awards / Recognitions received by faculty and students :	
Prof. Benny Mathew, NSS Programme Officer onwards on 2010-2011	
24. List of eminent academicians and scientists / visitors to the department	
1) Dronacharya Prof. Sunny Thomas 2) Dronacharya Sri. K P Thomas	
25. Seminars/ Conferences/Workshops organized & the source of funding	
c) State level: On 24/11/2011 – Topic Self Control & Personal Discipline	

towards Health Society (funding college)
26. Student profile programme/course wise:
27. Diversity of Students
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : <b>NA</b>
29. Student progression : <b>NA</b>
30. Details of Infrastructural facilities :
31. Number of students receiving financial assistance from college, university, government or other agencies
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
33. Teaching methods adopted to improve student learning
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
<ul style="list-style-type: none"> <li>• Conducting coaching camp for outsiders/ public</li> <li>• Training program for school children</li> </ul>
35. SWOC analysis of the department and Future plans



## POST ACCREDITATION INITIATIVES

The college has witnessed tremendous progress in quality improvement, quality sustenance and quality enhancement during the Post-accreditation period. This progress has been made possible with the co-operation and active involvement of all the stakeholders like teaching staff, non-teaching staff, students, parents and alumni. A brief narration about the criteria wise quality enhancement initiatives undertaken during the post-accreditation period is given below.

### I. Curricular Aspects

The most important quality enhancement initiative during the period is the adoption of the Choice Based Credit and Semester System (CBCSS) instead of the conventional annual scheme. Though initiated by the University, the reform had significant impact on the academic ambience of the institution. The teachers and students had assumed a satisfactory level of seriousness in the teaching learning process.

The academic flexibility in the institution also has increased. The programme options are widened with the introduction of two PG programmes and three UG programmes. Research programme in English has also been started. The Department of Chemistry is soon expected to be elevated to the status of a Research Centre. In addition, the college has introduced five career oriented add-on courses with the financial assistance of the University Grants Commission. The UGC has sanctioned another scheme called **Community College** under which two diploma courses (Rubber Technology and Dairy Science) are introduced. The Department of Continuing Education, Govt. of Kerala sanctioned Diploma in Computer Applications (DCA) to the college. With the introduction of the CBCSS, the system of 'open course' is also

introduced by which the students are made to do another course in a different department.

The programme options offered by the Study Centre of Indira Gandhi National Open University (IGNOU) also got widened. The Centre, functioning in the campus, now offers PG programmes in English and Rural Development; UG programmes in Commerce, Tourism, Social Work, English, History and Sociology; and Diploma/Certificate programmes in Computer Education, Tourism, Rural Development, Food and Nutrition and Human Rights. The Study Centre provides horizontal mobility within the institution by permitting the regular students to acquire additional diploma or certificate along with their regular streamline of education. Therefore, the students are given wider academic flexibility in the post-accreditation period.

Due emphasis has been given to increase the employability of students. The govt. has launched a scheme called **Additional Skill Acquisition Programme** (ASAP) to give intensive training for students in communicative skills and computer knowledge. The functioning of the Career Guidance and Placement Cell is also made vibrant by giving coaching classes for bank tests and competitive examinations. The UGC NET coaching classes are also made very effective during the period.

## **II. Teaching-Learning and Evaluation**

In the teaching-learning field, the significant post-accreditation initiative is the Centralised Admission Process (CAP), instead of the college level admission process. As a result, the students can access admission in their most favoured institution on the basis of their academic merit through a single window of admission. Therefore, Newman College also could attract meritorious students from the length and breadth of the state.



Teacher quality also has improved during the post-accreditation period. During the time of last accreditation, only 12 out of 82 regular teachers were holding Ph.D. whereas now 26 out of 68 regular teachers are Ph.D holders. Fourteen teachers are having M.Phil. as their highest qualification. Fifteen teachers have attended the Orientation/ Refresher Courses during the period.

To identify the best talents in each student, a talent hunt programme was initiated in the post-accreditation period. At the commencement of each course, all first year degree students will be called to the Auditorium and they are asked to present their best talents in three minutes time. This exercise enables the teachers to evaluate the students in respect of their talents and capabilities and encourage them to perform better. This programme is titled **Three Minutes to Fame**.

Another initiative to promote quality in teaching-learning process is the introduction of uniform dress code for all students. When all the students wear the same type of dress, a feeling of equality prevails among the students which ignite their self esteem and thereby a congenial atmosphere for study is created. The UGC sponsored Equal Opportunity Centre also bridges the social gap between various categories of students.

Another initiative in the post-accreditation period is the mentoring system. The Kerala State Higher Education Council (KSHEC) has introduced a new scheme called Walk with the Scholar (WWS). The advanced learners are allotted to the teacher scholars whom the students consider as mentors. The slow learners have the schemes of Scholar Support Project (SSP) of the State Government and Remedial Coaching Scheme of the UGC. To enhance the Communicative and Computer Skills of Students, the Scheme of Additional Skill Acquisition Programme (ASAP) of the State Government has been introduced. The

Diploma in Computer Application (DCA), started in 2014, has also gone a long way in improving the computer literacy of the students.

The expansion of Information Communication Technology (ICT) has improved the learning atmosphere in the college. Two more computer centres with internet access have been set up in the post accreditation phase. A full fledged language laboratory was installed which trains the students in the use of correct English. All post graduate class rooms and most of the final degree class rooms are equipped with LCD Projectors. The smart class room is developed with facilities like LCD projector, computer, TV, interactive board and visualiser.

The academic ambience of the college has been improved during the post accreditation period with a series of seminars/ conferences/ lectures organised. On an average, five national seminars are held every year while 8-10 endowment/ memorial lectures are held. The IQAC arranges at least 2-3 orientation lectures for the faculty in a year, enhancing the capability levels of the teachers. The new initiative of **Zero Hour** also enables the students to learn something beyond their syllabus. The on-line feedback system introduced was also proved to be very effective in improving the teacher performance.

### **III. Research, Consultancy and Extension**

During the post accreditation period, promotion of research has been the main thrust of the college administration. A Research Promotion Cell was constituted to encourage teachers in taking up research projects and organising seminars. Efforts are made to mobilise research grants from as many sources as possible. As a result, the number of research projects has gone up from 7 to 29 in the post-accreditation period. Efforts are also made to organise as many seminars/ lectures as possible. The college has organised five international seminars, 26 national seminars and 54 state level seminars

during the post-accreditation period. As many as 72 public lectures were delivered by nationally eminent scholars during the period. All science departments are now DST-FIST supported with a total grant of Rs.90 lakh.

In the publication front also, new initiatives were made. Apart from the two already existing journals, one more bi-annual journal *New Man and Society* started publishing. Teachers are motivated to publish as many research papers as possible.

In the field of extension, the much talked about project of *Sasthramam* was a new initiative during the post accreditation period. The *Newman Monthly Lecture Series* was another initiative that spread knowledge to the larger society. The UGC sponsored community college was yet another initiative under the category of extension activities, which caters to the educational needs of the lesser privileged in higher education. The continuation of the free English grammar classes to the High School students in the neighbourhood titled *Summer Showers* is really a help to those who can not afford to have private tuitions. The college conducts five intercollegiate competitions every year with a view to promote the talents and creativity among the students of other colleges. The introduction of the *Newman Youth Excellence Award* was also an extension activity which promotes talent and merit in the larger society.

The UGC sponsored Centre for Gandhian Studies is yet another initiative in the post accreditation period. The Centre organises several programmes with a view to build up a society of Gandhi's vision. For example, it organises orientation/ awareness programmes for the benefit of tribals, drivers, farmers, people's representatives, businessmen etc.

#### IV. Infrastructure and Learning Resources

On the infrastructural front, the biggest initiative was the construction of the UGC sponsored **Ladies' Hostel**. This resolved the accommodation problems of the girl students. A common room for ladies, was arranged. The ramp and a wheel chair accessible special toilet was constructed for the benefit of the physically challenged students. There are four air conditioned conference halls out of which one is newly built.

For the sports persons, the construction of the multi purpose sports stadium is of great help. The Ministry of Sports and Youth Affairs supported scheme enabled the facilities for Volleyball, Basketball and Tennis. The installation of a full fledged **Fitness Centre** and **Yoga Centre** were additional initiatives in the post-accreditation period. The construction of a new academic block is progressing. The starting of a campus branch of the **South Indian Bank** with an **ATM counter** has also been added to the facilities of the campus.

The automation of the library with additional facilities like INFLIBNET and NLIST, the installation of CCTV in the entire campus including the library are new initiatives with regard to the learning resources. The installation of CCTV in the entire campus acts as a powerful check against ragging. Massive development has taken place with regard to the availability of electronic equipment on the campus. The number of computers, LCD projectors and photocopying machines has increased manifold. The DST-FIST grant of Rs.90 lakh proved to be beneficial for the augmentation of laboratory facilities in Science departments.

Initiatives in e-governance are yet another major step in the field of infrastructural development. Admission procedures, attendance registry, fee collection and entry in the library are now managed through

electronic devices. The college set up an electronic equipment maintenance unit in the college in 2013. A well furnished language laboratory was also instituted during the post-accreditation period. The renovation of the auditorium also needs to be taken into account in this regard.

Another post accreditation initiative was in the field of power sector. A high powered generator was installed in the campus to tide over the frequent power failures. A solar panel was also installed, spreading the message of using non-conventional energy.

The number of books in the library has gone up from 41000 in 2007 to 49500 in 2014. The journal subscription has gone up from 26 to 77 during the period. A Network Resource Centre was established with the support of the UGC. The smart class room with all modern electronic equipment like interactive board, visualiser etc. has also been set up.

The learning atmosphere in the class rooms has been improved during the period. All PG class rooms are provided with individual chairs with writing boards instead of the traditional benches and desks. All PG classrooms and most of the final UG class rooms are now equipped with LCD projectors enabling the use of ICT in Education.

Information is now passed on to the teachers and students through the public address system. All staff rooms and class rooms are equipped with speakers. An electronic display board has been installed to give timely information to the students about the various programmes, activities and other relevant matters related to them. A parlour has been set up in front of the Principal's Office with TV and Information screen to entertain the visitors.

The students are given special encouragement for arts/sports competitions at the University and State levels. Some of them have won prizes and championships. Another initiative is the introduction of **Zero**

**Hour** through which the selected students address the entire college community on a daily basis for five minutes on topics of contemporary relevance. Another step taken was the introduction of the best award for the outgoing student of the college every year. In addition, the best student from all outgoing batches were honoured and given prizes.

#### **V. Student Support and Progression**

During the post-accreditation period, a number of new initiatives have been put forward with regard to the co-curricular and extra-curricular life of the students. The most important among them is the practice of publishing departmental magazines. When the students of every department publish a magazine of their own it will definitely further the literary and artistic talents of the students.

Another initiative in the post accreditation period is the conduct of Food Festival, every year. This is to promote the entrepreneurial skills of the students and develop the passion for cooking. The students used to enthusiastically participate in the programme. Inter-departmental arts and sports competitions are also initiated in the post accreditation period. As a result, participation of students in such competitions has increased manifold.

With regard to financial assistance and scholarships to the students, maximum encouragement is given to avail such grants. Whenever a new scheme arises an announcement is made over the public address system so that everybody will come to know about it. A nodal officer for the scholarships and grants is appointed who will provide the assistance to the students in getting grants. In addition, nine college level endowment awards were instituted to honour the meritorious students. Another scheme introduced was the mid-day meal scheme through which poor students were identified by the teachers and given lunch coupons by which they get lunch, free of cost.

In the post accreditation period, a few schemes like Additional Skill Acquisition Programme (ASAP), Scholar Support Programme (SSP) and Walk with the Scholar (WWS) have been introduced with the support of the state government. The career guidance and placement cell is made functional during the period. Coaching classes for bank tests and competitive examinations are held on a regular basis. The UGC-NET coaching classes were initiated to the benefit of post graduate students.

The functioning of the Grievance Redress Cell is made more effective. A suggestion box is installed in front of the Principal's office and the students drop their complaints/ suggestions in the box which will be sorted out and resolved. The anti-ragging cell is also made very active. In order to check the ragging activities, CCTV has been installed in the campus.

The learning outcome of the students also has improved during the period. The pass percentage has grown up consistently. Eight students have won University ranks, though the ranking system has been now abolished. They were given awards and reception in the college in such a way as to motivate other students.

#### **VI. Governance, Leadership and Management**

The most important initiative in the field of governance and leadership during the post accreditation period is the practice of academic auditing by the Governing Body. The body will entrust a committee with the responsibility of visiting the college within the specified timeframe and meet the teachers and assess their performance. The committee will then evaluate the performance of each department collectively and teachers individually and suggest corrective measures, if needed. The teachers with good performance are congratulated and appreciated in public. At the same time, the non-performing teachers were issued notices and brought to better performance. This practice helps improving the teacher performance.

The institution has promoted a series of seminars/ conferences/ lectures for the quality improvement of teachers and students. A format for the Teacher Performance Record is prepared and distributed to all teachers. A medical aid programme for the non teaching staff was instituted to extend financial assistance to the non-teaching staff in meeting their medical expenses. To mobilise financial resources for the developmental works, the PTA initiated a 'coupon scheme', by which the students distributed coupons to the general public and generated money for the construction of an academic block.





# NEWMAN COLLEGE

(Re-accredited by NACC with 'A' grade and affiliated to Mahatma Gandhi University, Kottayam)

**Thodupuzha, Idukki (dist.), Kerala - 685 585, India**

## **Declaration by the Head of the Institution**

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution with seal:

Place: Thodupuzha

Date: 31-03-2015



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## CERTIFICATE OF COMPLIANCE

This is to certify that Newman College, Thodupuzha fulfils all norms:

1. Stipulated by the affiliating University and / or
2. Regulatory Council/Body (such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc)  
and
3. The affiliation and recognition (if applicable) is valid as on date
4. In case the affiliation / recognition is withdrawn by the authority concerned the same will be informed to NAAC immediately.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displaced on the college website.

Dr. T.M. Joseph  
Principal